


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER FD 11-31-2-2				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') VERNON RICHENS						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-545-2535				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 722, FORT DUCHESNE, UT 84026						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2170 FSL 2170 FWL		NESW	31	2.0 S	2.0 E	U		
Top of Uppermost Producing Zone		2170 FSL 2170 FWL		NESW	31	2.0 S	2.0 E	U		
At Total Depth		2170 FSL 2170 FWL		NESW	31	2.0 S	2.0 E	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 472			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 10452			26. PROPOSED DEPTH MD: 10059 TVD: 10059				
27. ELEVATION - GROUND LEVEL 5060			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2336				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.8	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 1500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	190	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	7.875	5.5	0 - 10059	17.0	P-110 LT&C	9.6	Unknown	830	2.31	11.0
							Unknown	330	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brady Riley				TITLE Permit Analyst			PHONE 303 312-8115			
SIGNATURE				DATE 11/09/2012			EMAIL briley@billbarrettcorp.com			
API NUMBER ASSIGNED 43047533180000				APPROVAL  Permit Manager						

## **BILL BARRETT CORPORATION**

### **DRILLING PLAN**

#### **FD 11-33-2-2**

NESW, 1895' FSL and 2150' FWL, Section 33, T2S-R2E, USB&M (surface hole)

NESW, 1895' FSL and 2150' FWL, Section 33, T2S-R2E, USB&M (bottom hole)

Uintah County, Utah

#### **1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD/TVD</u></b>
Green River	5222'
TGR3*	7504'
Douglas Creek	7681'
Black Shale	8273'
Castle Peak	8449'
Uteland Butte	8632'
Wasatch*	9133'
TD	9933'

\*PROSPECTIVE PAY: Members of the Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 4079'

#### **3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 1500'	No pressure control required (may pre-set 9-5/8" with smaller rig)*
1500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

\*See Appendix A

#### **4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1500'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
Drilling Program  
FD 11-33-2-2  
Uintah County, Utah

### 5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 1,000'
5 1/2" Production Casing	Lead: 770 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,000' Tail: 410 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 7773'

### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 1500'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1500' – 5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 56	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

### 7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

### 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4907 psi\* and maximum anticipated surface pressure equals approximately 2722 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation  
Drilling Program  
FD 11-33-2-2  
Uintah County, Utah

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
  - b) Inside BOP or stab-in valve (available on rig floor)
  - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC  
43-12345 (F78949): Dale Anderson  
43-10664 (A38472): W. E. Gene Brown  
49-1645 (A35800): RN Industries, Inc.  
49-2336 (t78808): RN Industries, Inc.  
43-8496 (A53617): A-1 Tank Rental  
43-10288 (A65273): Nile Chapman (RNI)  
49-2247 (F76893): Magnum Water Service  
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

**11. Drilling Schedule**

Location Construction: DEC 2013  
Spud: DEC 2013  
Duration: 15 days drilling time  
6 days completion time

**12. Appendix A**

**9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:**

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits





# Bill Barrett Corporation

## AURORA CEMENT VOLUMES

**Well Name:** FD 11-33-2-2

### Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	548.1	ft <sup>3</sup>
Lead Fill:	1,000'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

### Calculated # of Sacks:

# SK's Lead:	190
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	1,000'	

# SK's Tail:	210
--------------	-----

### Production Hole Data:

Total Depth:	9,933'
Top of Cement:	1,000'
Top of Tail:	7,773'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1760.2	ft <sup>3</sup>
Lead Fill:	6,773'	
Tail Volume:	561.4	ft <sup>3</sup>
Tail Fill:	2,160'	

### Cement Data:

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

### Calculated # of Sacks:

# SK's Lead:	770
# SK's Tail:	410

<b>FD 11-33-2-2 Proposed Cementing Program</b>
--

<u>Job Recommendation</u>	<u>Surface Casing</u>		
<b>Lead Cement - (1000' - 0')</b>			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	1,000'	
	Volume:	97.61	bbl
	<b>Proposed Sacks:</b>	<b>190</b>	<b>sks</b>
<b>Tail Cement - (TD - 1000')</b>			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft <sup>3</sup> /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	1,000'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	<b>Proposed Sacks:</b>	<b>210</b>	<b>sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>		
<b>Lead Cement - (7773' - 1000')</b>			
Tuned Light™ System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft <sup>3</sup> /sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	1,000'	
	Calculated Fill:	6,773'	
	Volume:	313.48	bbl
	<b>Proposed Sacks:</b>	<b>770</b>	<b>sks</b>
<b>Tail Cement - (9933' - 7773')</b>			
Econocem™ System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	7,773'	
	Calculated Fill:	2,160'	
	Volume:	99.98	bbl
	<b>Proposed Sacks:</b>	<b>410</b>	<b>sks</b>

**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 5,000 psi

**C. Testing Procedure:**

*Annular Preventer*

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

*Blow-Out Preventer*

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### **D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

#### **E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

T2S, R2E, U.S.B.&M.

BILL BARRETT CORPORATION

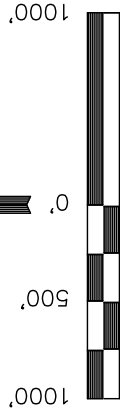
Well location, FD #11-31-2-2, located as shown in the NE 1/4 SW 1/4 of Section 31, T2S, R2E, U.S.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE POINT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY CLOSE SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

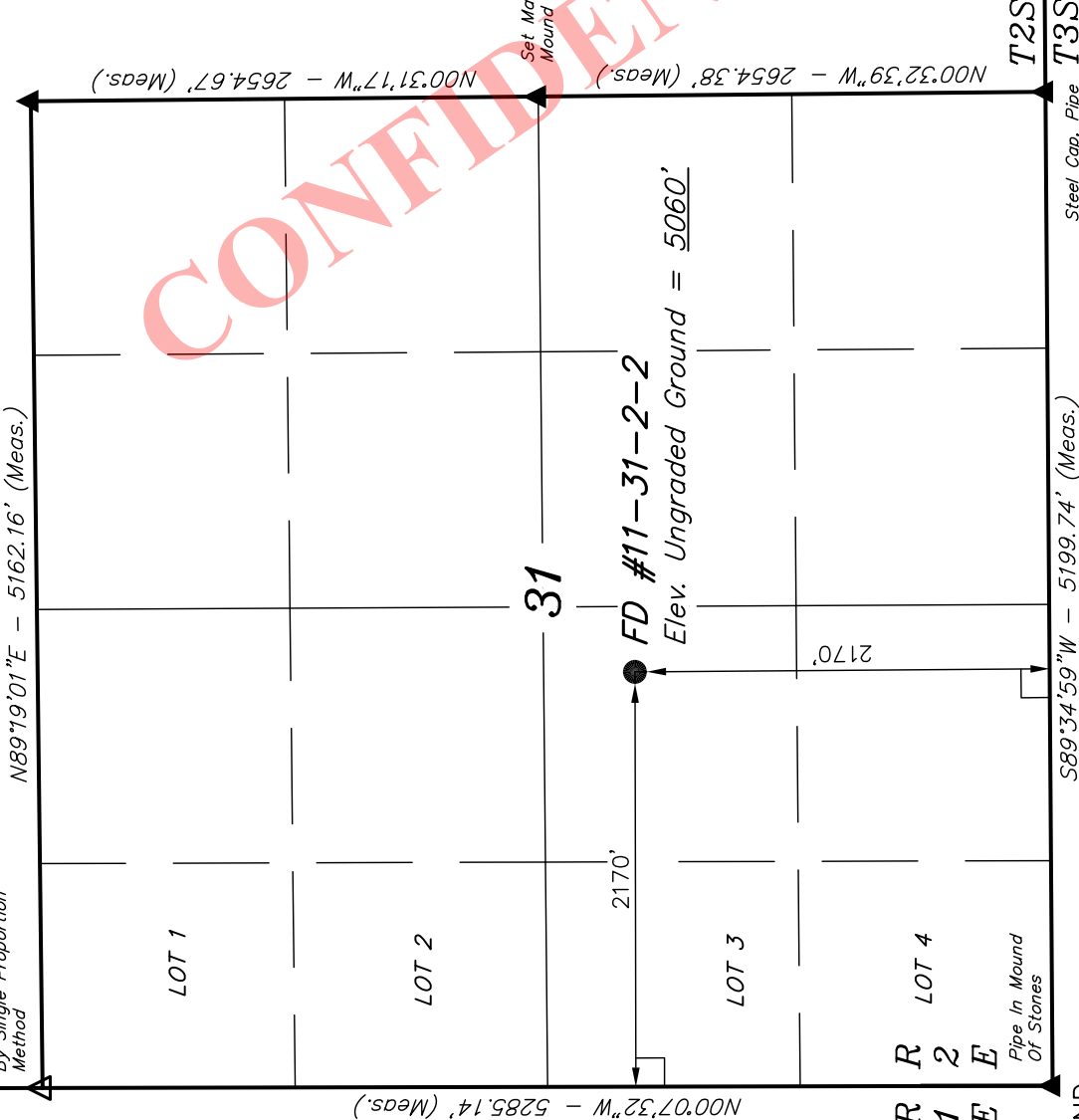
ROBERT L. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH  
05-04-12

REV: 05-04-12 Z.L.

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-23-12	DATE DRAWN: 03-27-12
PARTY C.R. S.R. R.L.L.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE	
		BILL BARRETT CORPORATION

Set Marked Stone,  
Small Stones



Steel Cap, Pipe

S89°34'59"W - 5199.74' (Meas.)

N00°07'32"W - 5285.14' (Meas.)

LEGEND:

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS RE-ESTABLISHED.

(Not Set on Ground.)

NAD 83 (SURFACE LOCATION)

LATITUDE = 40°15'51.92" (40.264422)

LONGITUDE = 109°48'48.75" (109.813542)

NAD 27 (SURFACE LOCATION)

LATITUDE = 40°15'52.06" (40.264461)

LONGITUDE = 109°48'46.23" (109.812842)



# BILL BARRETT CORPORATION

FD #11-31-2-2

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T2S, R2E, U.S.B.&M.

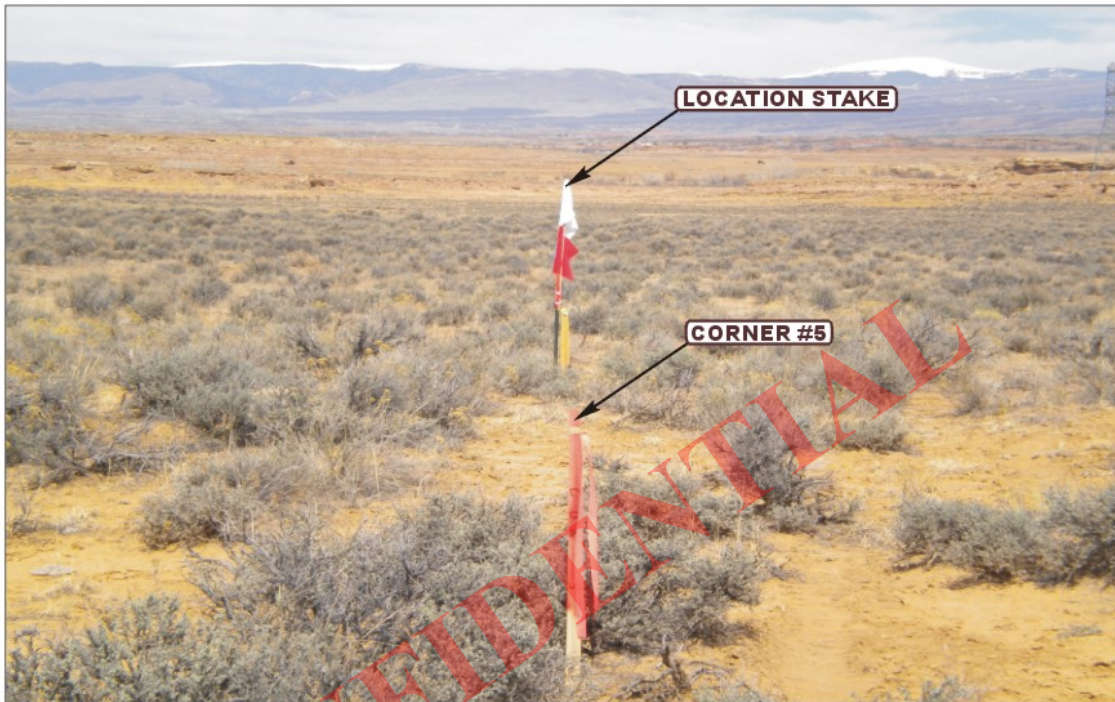


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



UELS

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS

03 28 12  
MONTH DAY YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: C.I.

REVISED: 05-04-12





**BILL BARRETT CORPORATION****TYPICAL CROSS SECTIONS FOR**

FD #11-31-2-2

SECTION 31, T2S, R2E, U.S.B.&amp;M.

2170' FSL 2170' FWL

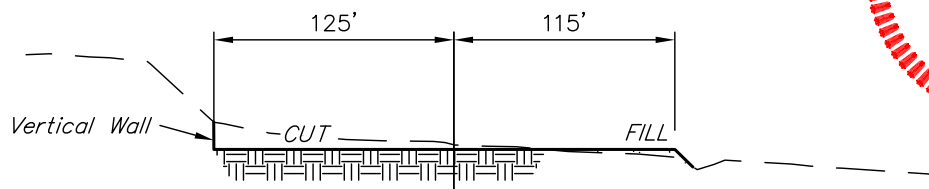
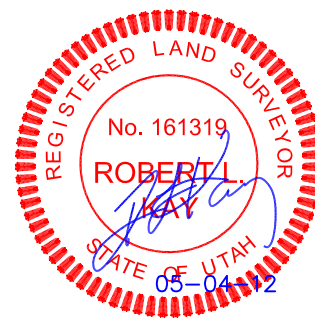
**FIGURE #2**

X-Section  
Scale  
1" = 100'

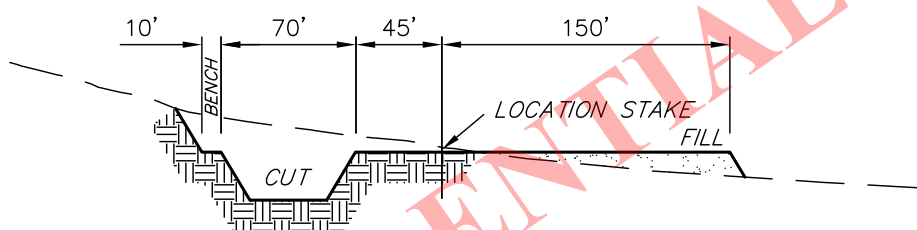
DATE: 03-27-12

DRAWN BY: R.L.L.

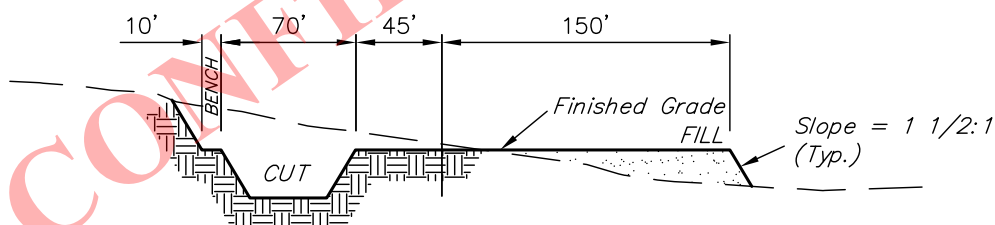
REV: 05-04-12 Z.L.



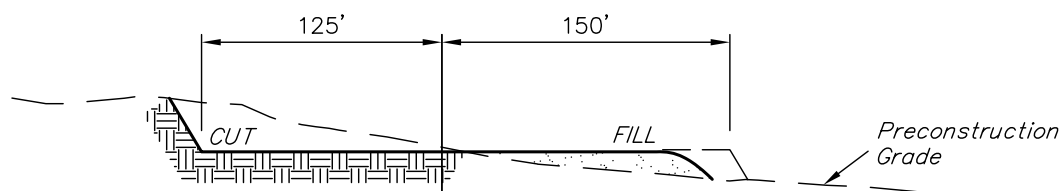
STA. 4+00



STA. 2+00



STA. 1+00



STA. 0+00

**NOTE:**

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE = ± 4.106 ACRES  
ACCESS ROAD DISTURBANCE = ± 1.073 ACRES  
PIPELINE DISTURBANCE = ± 1.070 ACRES  
TOTAL = ± 6.249 ACRES

**\* NOTE:**

FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping = 2,210 Cu. Yds.  
Remaining Location = 11,410 Cu. Yds.  
TOTAL CUT = 13,620 CU. YDS.  
FILL = 7,530 CU. YDS.

EXCESS MATERIAL = 6,090 Cu. Yds.  
Topsoil & Pit Backfill = 6,090 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: April 29, 2013

**BILL BARRETT CORPORATION**

## TYPICAL RIG LAYOUT FOR

FD #11-31-2-2

SECTION 31, T2S, R2E, U.S.B.&amp;M.

2170' FSL 2170' FWL

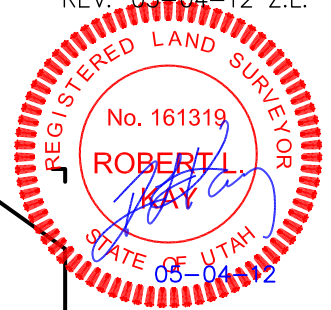
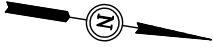
**FIGURE #3**

SCALE: 1" = 60'

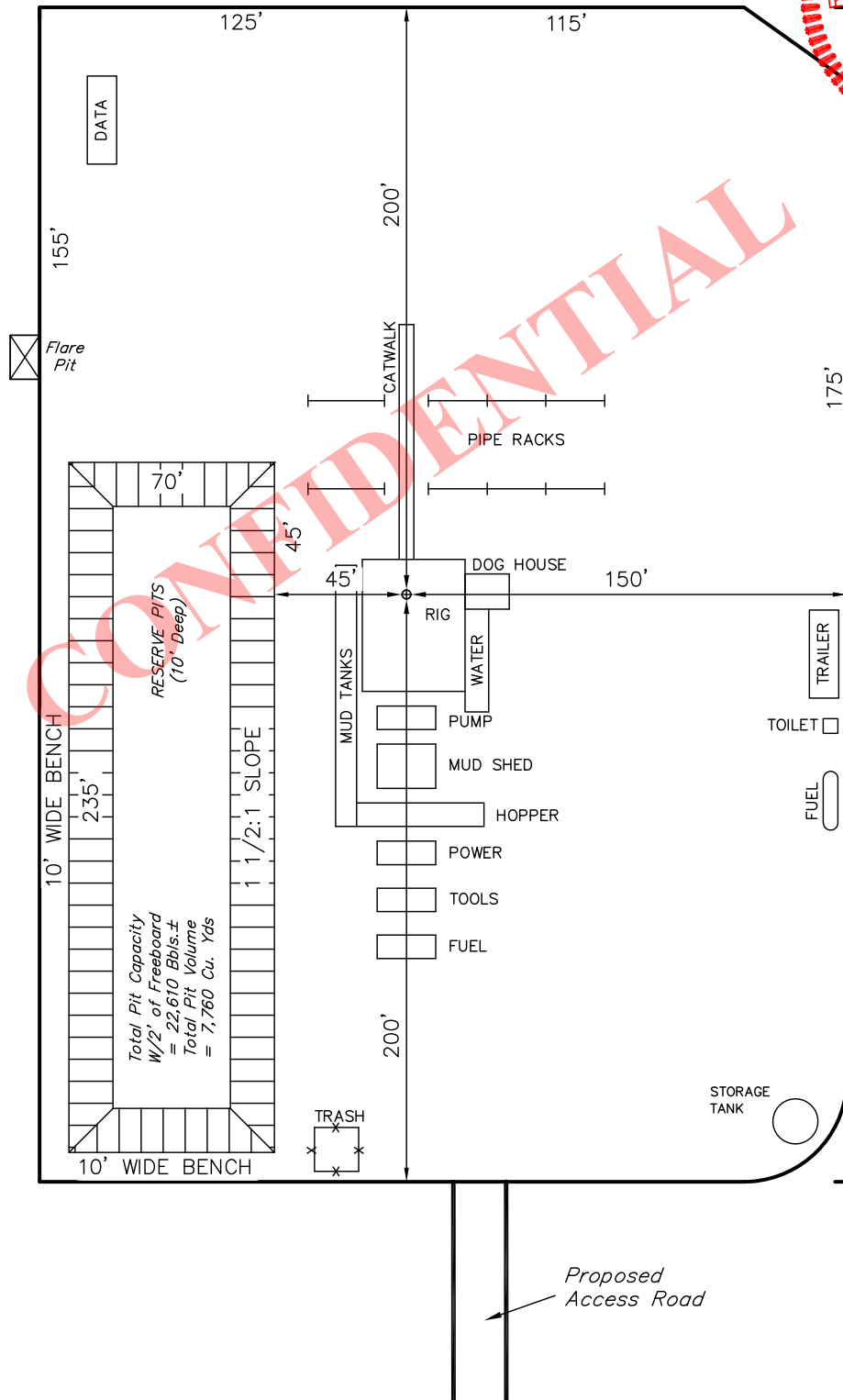
DATE: 03-27-12

DRAWN BY: R.L.L.

REV: 05-04-12 Z.L.



**NOTE:**  
Flare Pit is to be  
located a min. of 100'  
from the Well Head.



UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

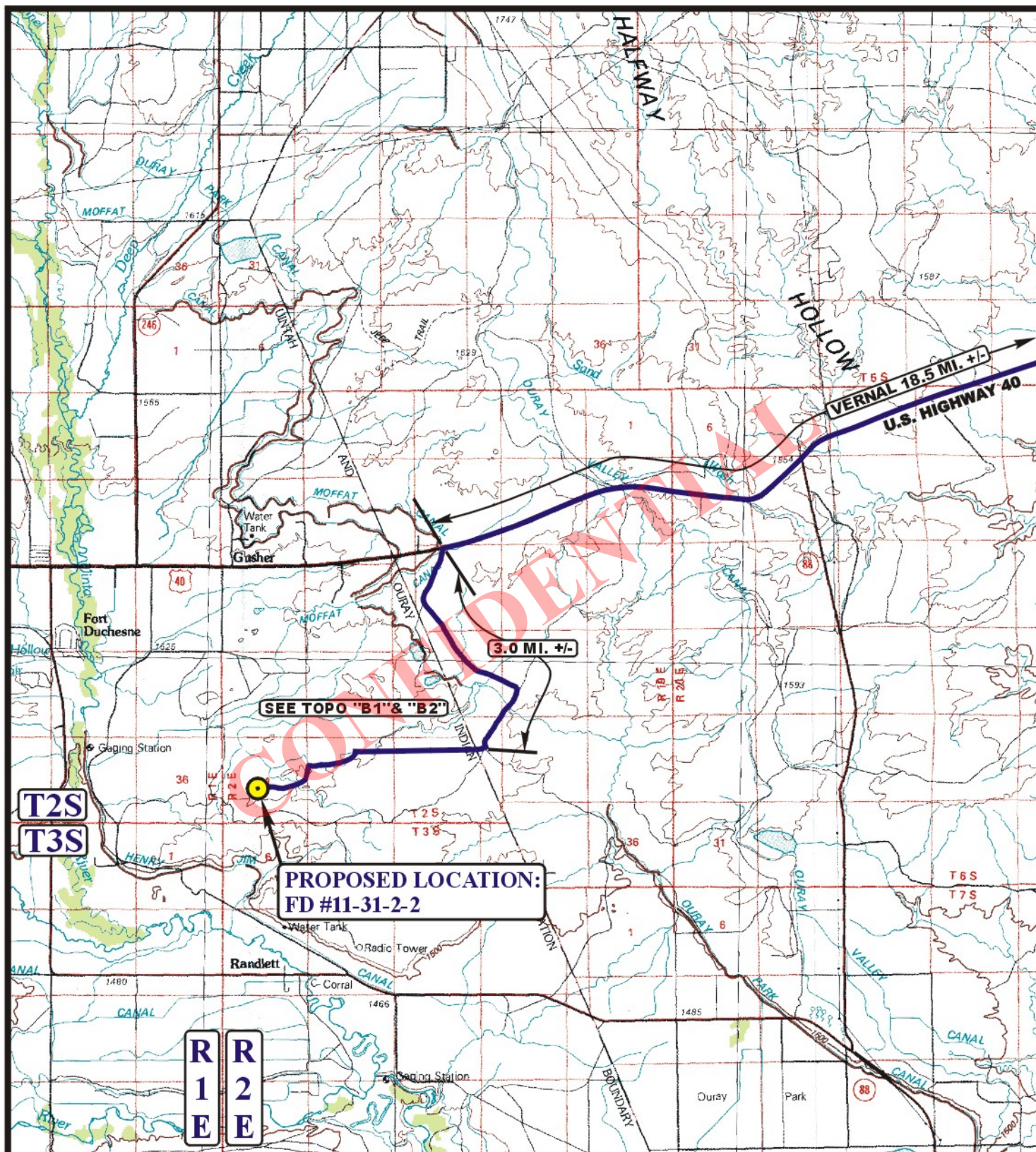
RECEIVED: April 29, 2013

**BILL BARRETT CORPORATION**  
**FD #11-31-2-2**  
**SECTION 31, T2S, R2E, U.S.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 18.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 3.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR FD #3-32-2-2 TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 7,995' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE FD #3-31-2-2 TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 3,040' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE FD #9-31-2-2 TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1,719' TO THE PROPOSED LOCATION AND THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 1,648' TO THE PROPOSED WELL LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 24.2 MILES.





**LEGEND:**

● PROPOSED LOCATION



**BILL BARRETT CORPORATION**

**FD #11-31-2-2**

**SECTION 31, T2S, R2E, U.S.B.&M.  
2170' FSL 2170' FWL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD  
MAP**

**03 28 12**  
MONTH DAY YEAR

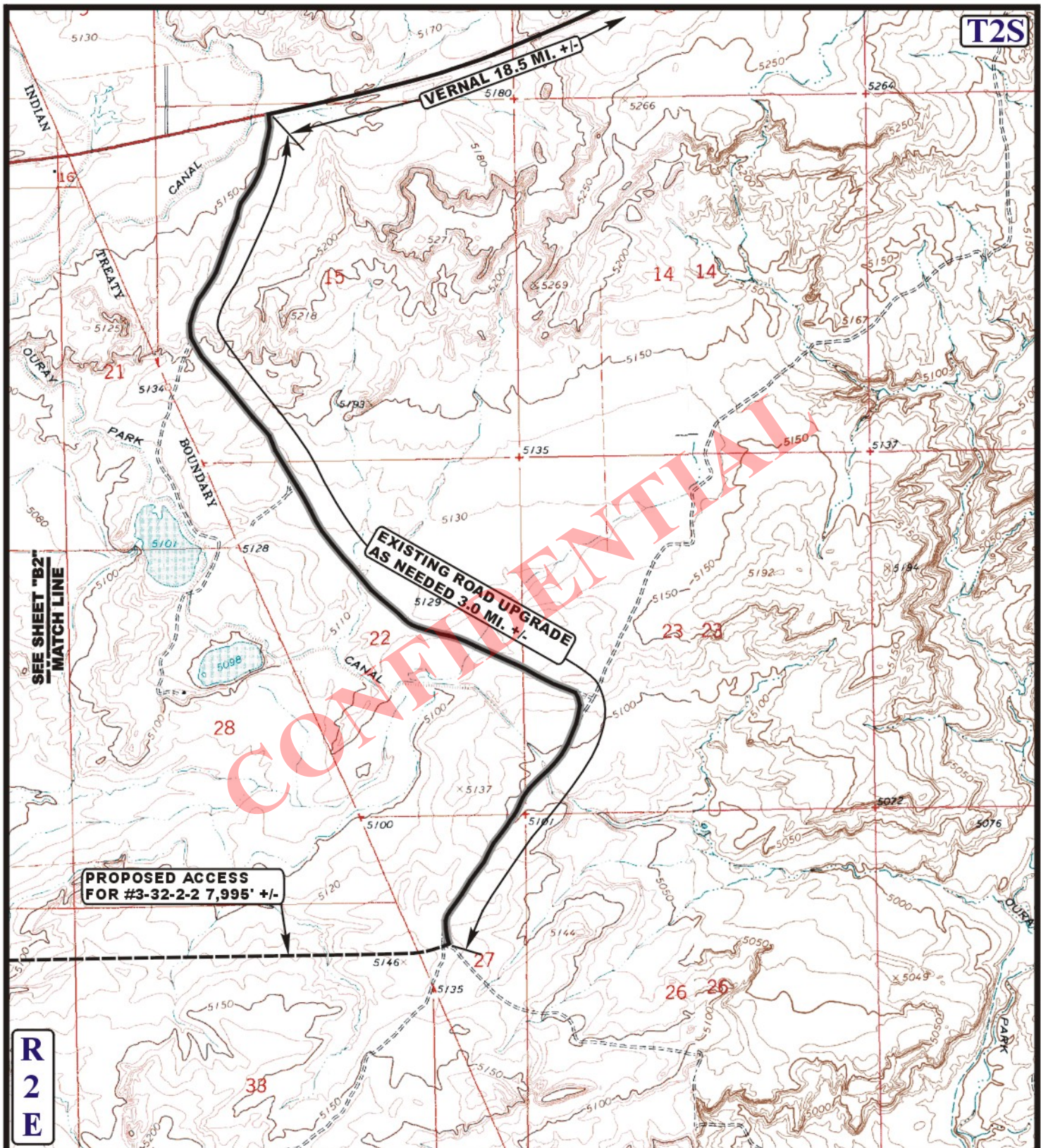
SCALE: 1:100,000

DRAWN BY: C.I.

REVISED: 05-04-12







**LEGEND:**

————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD



**BILL BARRETT CORPORATION**

**FD #11-31-2-2**

**SECTION 31, T2S, R2E, U.S.B.&M.**

**2170' FSL 2170' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

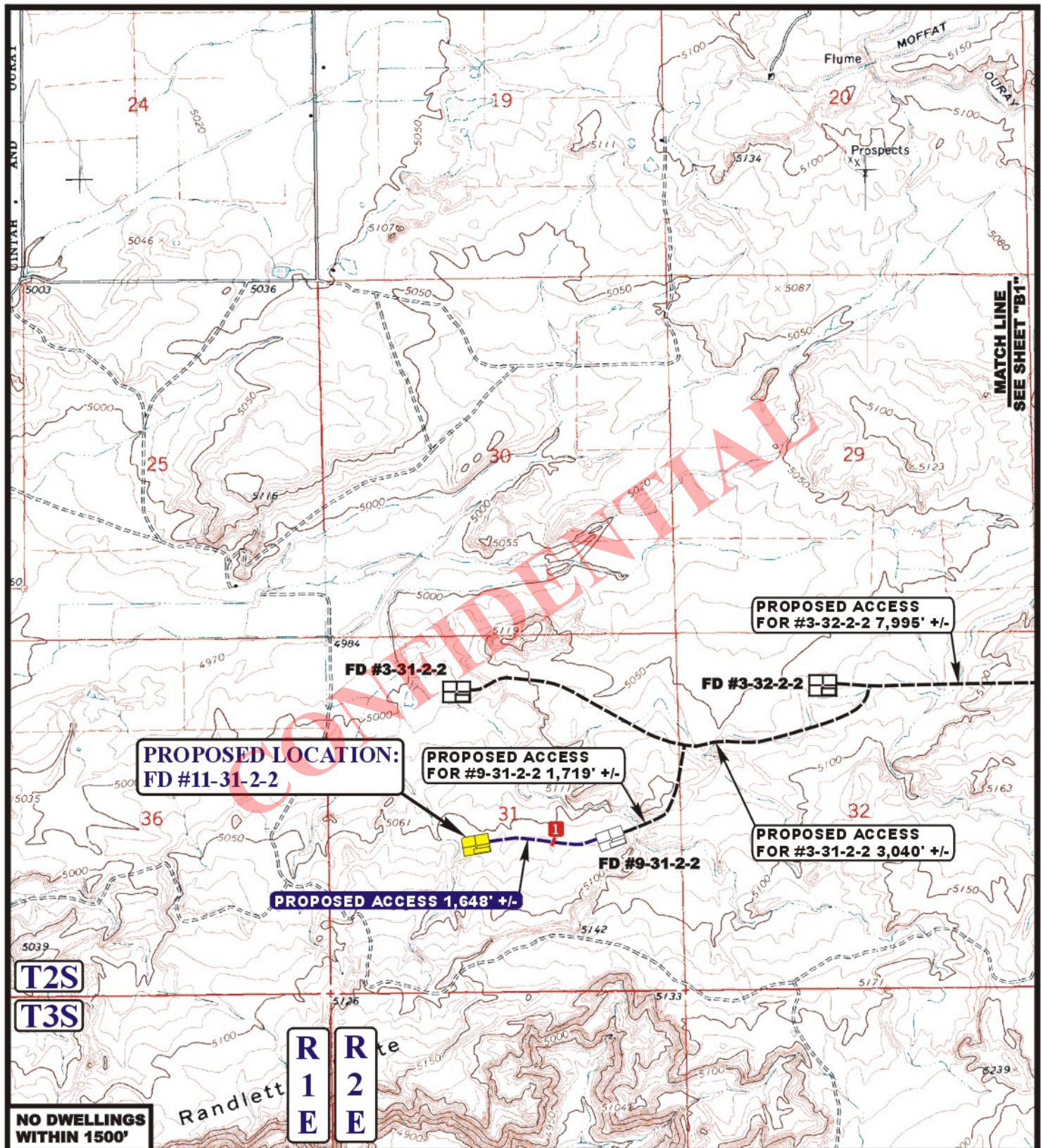
**ACCESS ROAD  
 MAP**

**03 28 12**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 05-04-12

**B1  
 TOPO**





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 1 18" CMP REQUIRED



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**BILL BARRETT CORPORATION**

**FD #11-31-2-2**  
**SECTION 31, T2S, R2E, U.S.B.&M.**  
**2170' FSL 2170' FWL**

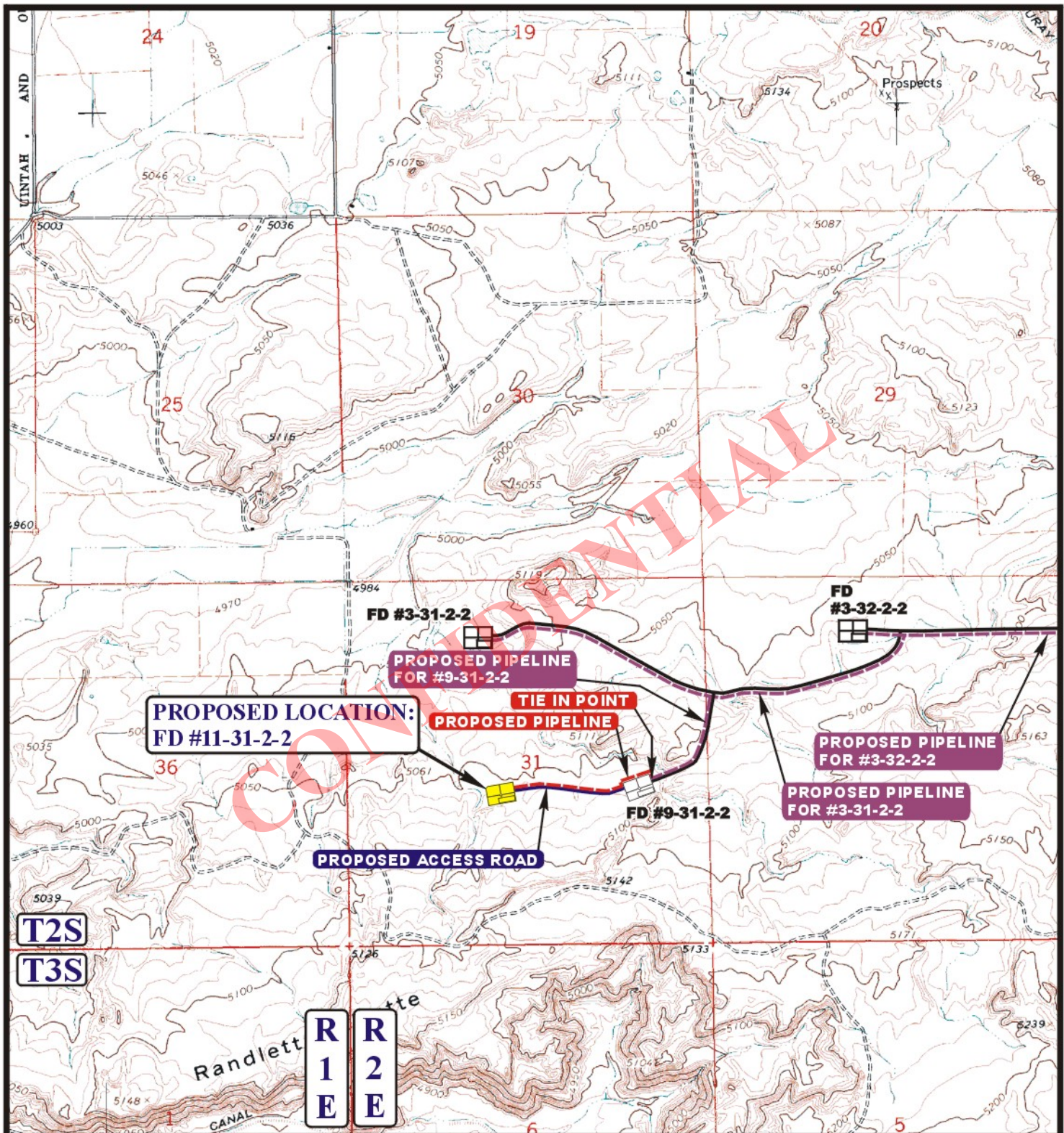
**ACCESS ROAD**  
**MAP**

**03 28 12**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 05-04-12

**B2**  
**TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 2,249' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**BILL BARRETT CORPORATION**

**FD #11-31-2-2**  
**SECTION 31, T2S, R2E, U.S.B.&M.**  
**2170' FSL 2170' FWL**

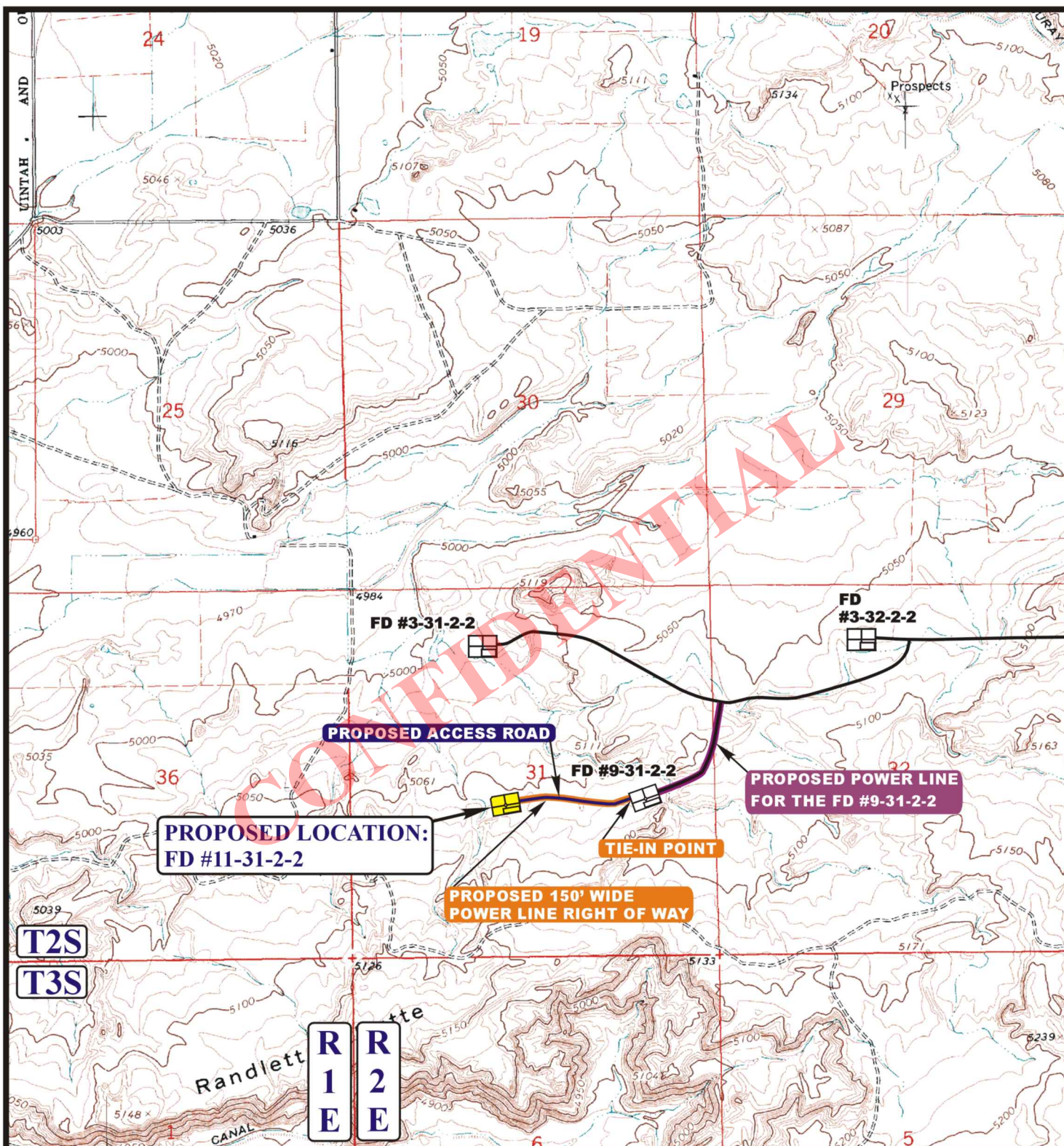
**TOPOGRAPHIC**  
**MAP**

**03 28 12**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 05-04-12







APPROXIMATE TOTAL POWER LINE DISTANCE = 1,648' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- PROPOSED POWER LINE (SERVICING OTHER WELLS)

# BILL BARRETT CORPORATION

FD #11-31-2-2  
SECTION 31, T2S, R2E, U.S.B.&M.  
2170' FSL 2170' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

04 22 13  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.O. REVISED: 00-00-00

D  
TOPO



**SURFACE USE AGREEMENT**  
(FD 11-31-2-2)

**THIS AGREEMENT** Dated November 9, 2012 by and between \_\_\_\_\_  
**Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship**  
whose address is P.O. Box 722, Ft. Duchesne, UT 84026  
Phone # (435) 545-2535 , hereinafter referred to as "Surface Owner", and  
**Bill Barrett Corporation and its Subsidiaries** , whose address is 1099 18<sup>th</sup> Street, #2300, Denver, CO 80202  
hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owner represents that he is the owner in fee and in possession of the surface estate for the following described lands in     **Uintah**     County,     **Utah**     , hereinafter referred to as "Lands", to wit:  
Tracts of land lying in the **NE/4SW/4, N/2SE/4 of Section 31, Township 2 South, Range 2 East, USM** as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owners are generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owners as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

b. Powerlines. Grant a Right-of-Way Easement for overhead and/or underground power lines and power line facilities to be exercised by Moon Lake Electric Association, Inc., throughout their service territory.

2. Operator agrees to consult with the surface owners and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owners and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owners may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.



6. In the event Surface Owners consider Operator has not complied with all its obligations hereunder, both express and implied, Surface Owners shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owners. The service of said notice shall be precedent to the bringing of any action by Surface Owners for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owners actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owners from any and all environmental problems it causes on the Lands.

8. In the event Surface Owners own less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.

9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.

10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.

11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

ADDITIONAL PROVISIONS:

SURFACE OWNERS:

Vernon B Richens  
By: Vernon B. Richens

Eva Diane Richens  
By: Eva Diane Richens

SS/Tax ID# \_\_\_\_\_

SS/Tax ID# \_\_\_\_\_

STATE of Utah

ACKNOWLEDGEMENT

COUNTY of Uintah

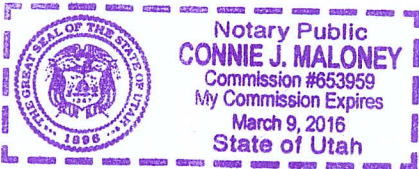
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 9th day of November, 2012, personally appeared Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship, to me known to be the

Identical person(s), described in and who executed the within and foregoing instrument of writing and acknowledged to me that they duly executed same as their free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: 3-9-16

Connie J Maloney  
Notary Public:





BILL BARRETT CORPORATION

LOCATION SURFACE USE AREA  
& ROAD RIGHT-OF-WAY ON  
FEE LANDS

(For FD #11-31-2-2)

LOCATED IN  
SECTION 31, T2S, R2E, U.S.B.&M.,  
UINTAH COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. RICHENS, ET UX	1558.30	1.073	94.44

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD MEASUREMENTS AND CALCULATIONS MADE BY THE SURVEYOR AND THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REV: 05-04-12 Z.L.

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH - 200 EAST • (435) 789-1017  
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 03-29-12
PARTY C.R. S.R. K.O.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE 5 1 9 7 3

NW 1/4

NE 1/4

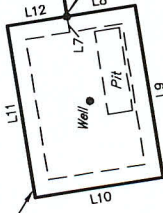
ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 31, T2S, R2E, U.S.B.&M. WHICH BEARS S70°23'39"W 1311.22' FROM THE EAST 1/4 CORNER OF SAID SECTION 31, THENCE S71°11'52"W 217.94'; THENCE N87°18'14"W 108.21'; THENCE N82°06'39"W 744.86'; THENCE N88°45'00"W 203.18'; THENCE N80°57'21"W 284.11'; THENCE N80°57'21"E 45.00'; THENCE S80°57'21"E 194.92'; THENCE S80°57'21"W 490.00'; THENCE N09°02'39"W 365.00'; THENCE N80°57'21"E 490.00'; THENCE S09°02'39"E 170.08' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 31 WHICH BEARS N46°53'58"E 3291.44' FROM THE SOUTHWEST CORNER OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.073 ACRES MORE OR LESS.

Sec. 31

SURFACE USE AREA  
FD #11-31-2-2  
Contains 4.106 Acres



Vernon B. Richens,  
ET UX

SW 1/4

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 SW 1/4 OF SECTION 31, T2S, R2E, U.S.B.&M. WHICH BEARS N46°53'58"E 3291.44' FROM THE SOUTHWEST CORNER OF SAID SECTION 31, THENCE S09°02'39"E 194.92'; THENCE S80°57'21"W 490.00'; THENCE N09°02'39"W 365.00'; THENCE N80°57'21"E 490.00'; THENCE S09°02'39"E 170.08' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.106 ACRES MORE OR LESS.

SW Cor. Sec. 31  
Pipe in Mound  
Of Stones

▲ = SECTION CORNERS LOCATED.

Section Line

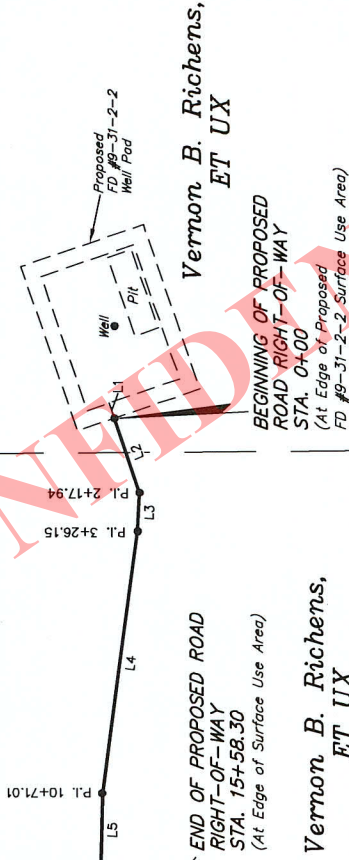
S89°34'59"W - 5199.74' (Meas.)

T2S  
T3S

Steel Cap,  
Pipe in Mound  
Of Stones

NE Cor. Sec. 31  
Set Marked Stone,  
Small Stones

Set Marked Stone,  
Mound Of Stones



SE 1/4

1/16 Section Line

Vernon B. Richens,  
ET UX

END OF PROPOSED ROAD  
RIGHT-OF-WAY  
STA. 15+58.30  
(At Edge of Surface Use Area)

Vernon B. Richens,  
ET UX

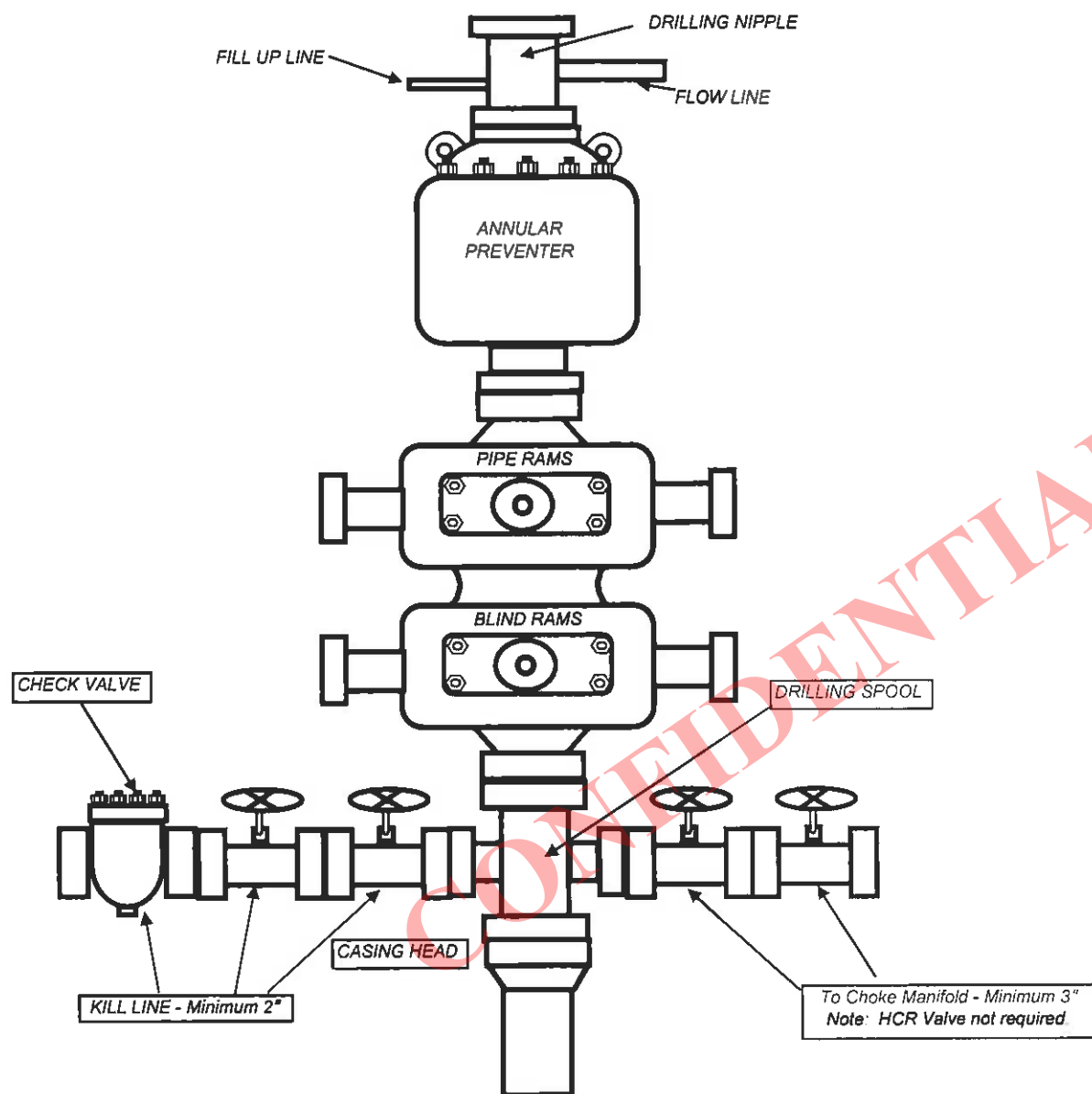
BEGINNING OF PROPOSED  
ROAD RIGHT-OF-WAY  
STA. 0+00  
(At Edge of Proposed  
FD #9-31-2-2 Surface Use Area)

N00°32'39"W - 2654.38' (Meas.)

Section Line

## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





November 9, 2012

Ute Energy Upstream Holdings, L.L.C.  
1875 Lawrence St., Suite 200  
Denver, CO 80202

RE: Commingling Application  
FD 11-31-2-2  
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Becky Riney*  
Thomas J. Abell *for*  
Landman

Enclosures



November 9, 2012

Axia Energy  
1430 Larimer Street, Suite 400  
Denver, CO 80202

RE: Commingling Application  
FD 11-31-2-2  
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Becky Riney*  
Thomas J. Abell *for*  
Landman

Enclosures



November 9, 2012

Douglas R Hansen  
PO Box 232  
Cheyenne, WY 82003

RE: Commingling Application  
FD 11-31-2-2  
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Becky Riney*  
Thomas J. Abell *for*  
Landman

Enclosures



November 9, 2012

EP Energy E&P Company  
1001 Louisiana Street  
Houston, TX 77002

RE: Commingling Application  
FD 11-31-2-2  
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Becky King*  
Thomas J. Abell *for*  
Landman

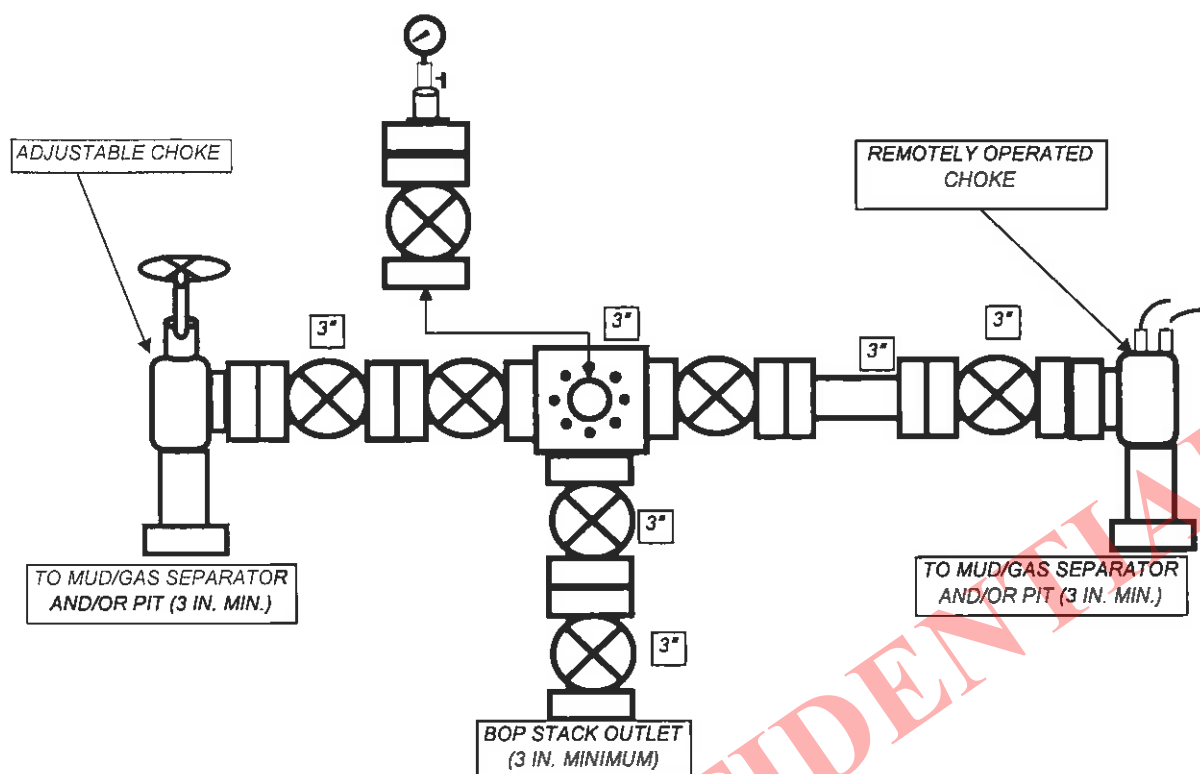
Enclosures

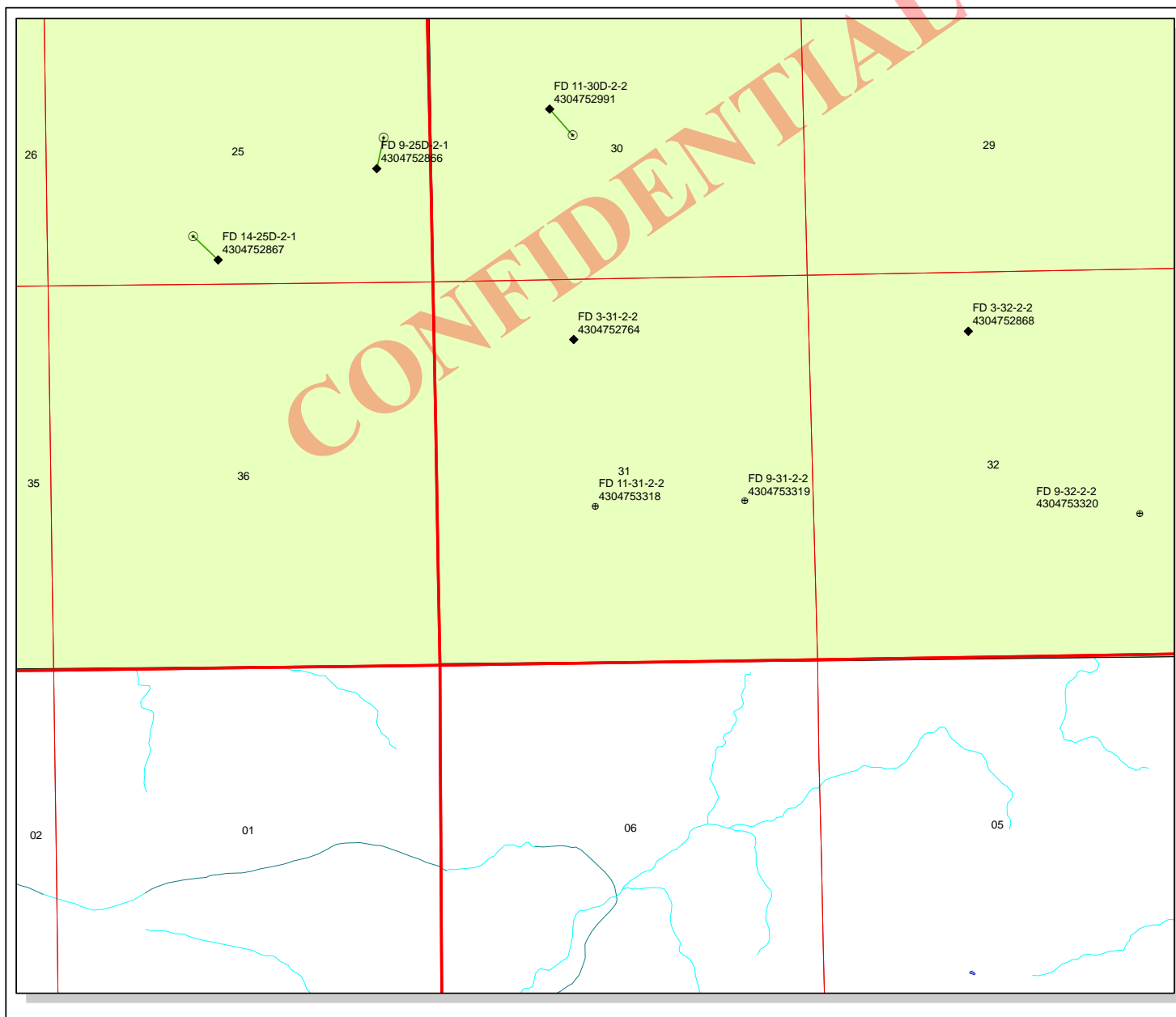




# BILL BARRETT CORPORATION

## TYPICAL 5,000 p.s.i. CHOKE MANIFOLD

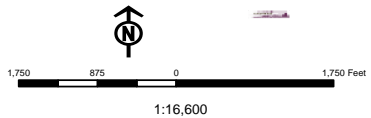
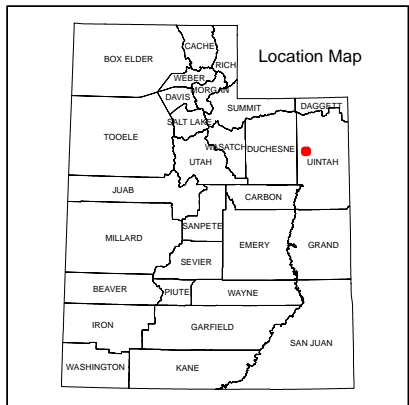




**API Number: 4304753318**  
**Well Name: FD 11-31-2-2**  
**Township T02.0S Range R02.0E Section 31**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERM	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
<b>Fields</b>	TA - Temp. Abandoned
Unknown	TW - Test Well
ABANDONED	WDW - Water Disposal
ACTIVE	WW - Water Injection Well
COMBINED	WSW - Water Supply Well
INACTIVE	Bottom Hole Location - Oil/Gas/Dls
STORAGE	
TERMINATED	



Well Name	BILL BARRETT CORP FD 11-31-2-2 43047533180000			
String	COND	SURF	PROD	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	80	1500	10059	
Previous Shoe Setting Depth (TVD)	0	80	1500	
Max Mud Weight (ppg)	8.8	8.8	9.6	
BOPE Proposed (psi)	0	0	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	5021		9.6	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	37	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	27	NO fresh wtr spud mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	19	NO
Required Casing/BOPE Test Pressure=		0	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

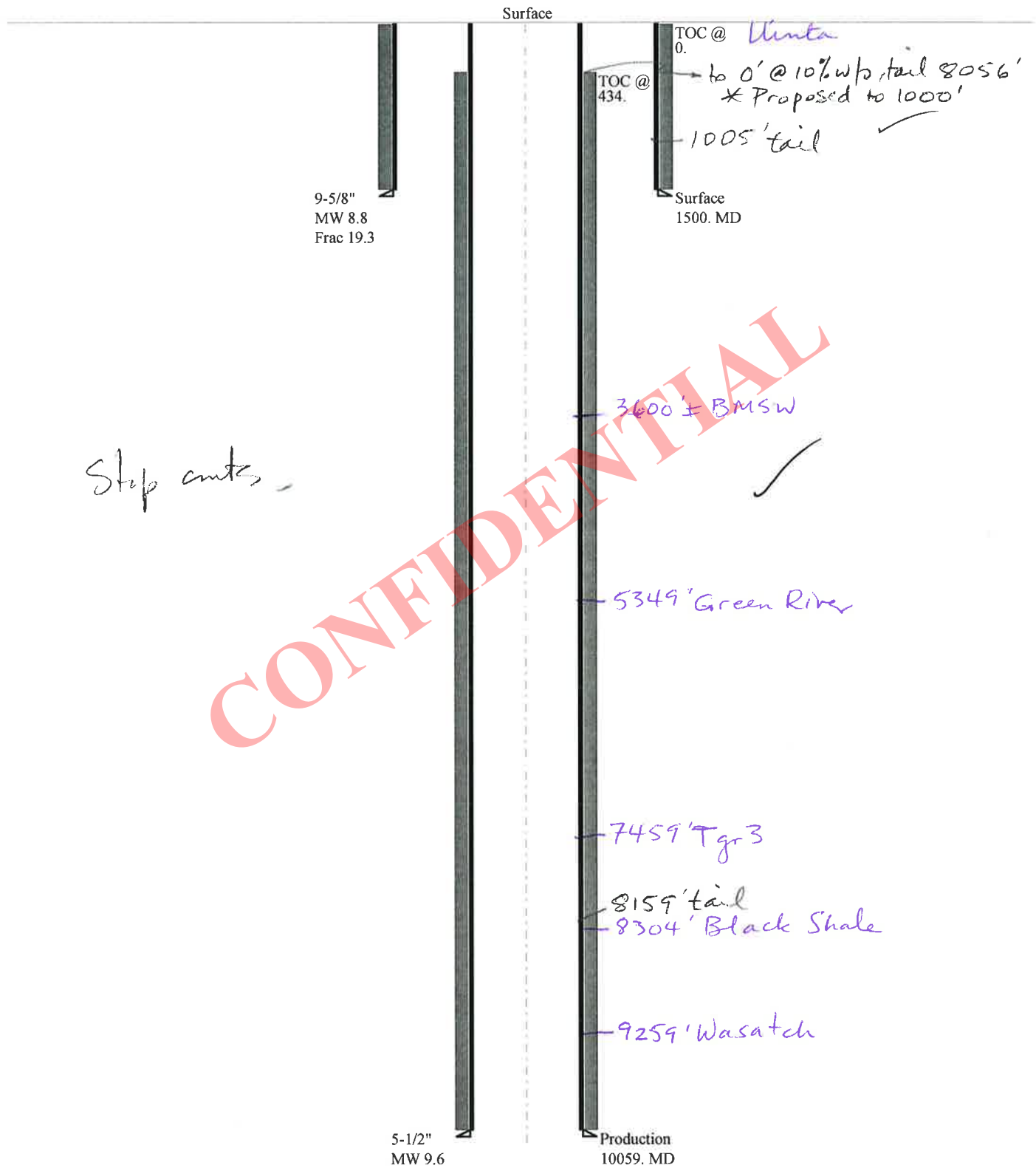
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	686	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	506	NO fresh water spud mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	356	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	374	NO
Required Casing/BOPE Test Pressure=		1500	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5021	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3814	YES DAP polymer fluid
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2808	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3138	NO Reasonable for area
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1500	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047533180000 FD 11-31-2-2

Casing Schematic



Well name:	43047533180000 FD 11-31-2-2	
Operator:	BILL BARRETT CORP	
String type:	Surface	Project ID: 43-047-53318
Location:	UINTAH COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.800 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 95 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 1,320 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 1,305 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 10,059 ft  
Next mud weight: 9.600 ppg  
Next setting BHP: 5,016 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,500 ft  
Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	13037
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	686	2020	2.946	1500	3520	2.35	47	394	8.39 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: December 5, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>43047533180000 FD 11-31-2-12</b>	
Operator:	<b>BILL BARRETT CORP</b>	
String type:	Production	Project ID: 43-047-53318
Location:	UINTAH COUNTY	

**Design parameters:****Collapse**

Mud weight: 9.600 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 215 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 434 ft

**Burst**

Max anticipated surface pressure: 2,803 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 5,016 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on air weight.  
Neutral point: 8,595 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10059	5.5	17.00	P-110	LT&C	10059	10059	4.767	66257
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5016	7480	1.491	5016	10640	2.12	171	445	2.60 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: December 5, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10059 ft, a mud weight of 9.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** BILL BARRETT CORP  
**Well Name** FD 11-31-2-2  
**API Number** 43047533180000      **APD No** 7122      **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NESW      **Sec** 31      **Tw** 2.0S      **Rng** 2.0E      2170 FSL 2170 FWL  
**GPS Coord (UTM)** 600882 4457785      **Surface Owner** VERNON RICHENS

### **Participants**

Jim Burns (permit contractor), Kary Eldredge (BBC), Cody Rich (surveyor), Whitney Fox (wetlands)

### **Regional/Local Setting & Topography**

This well is located just over 2 1/2 miles south of Highway 40 at a point approximately 20 miles west of Vernal, Utah. This is an area of open desert with sandy soils, small broken and rugged hills and some exposed ledge rock. Drainage from this site is to the north to wide shallow draw which then leads west toward the Uinta River. There is rock ledge along the south side of the location.

### **Surface Use Plan**

#### **Current Surface Use**

Grazing

**New Road  
Miles**

0.31

**Well Pad**

**Width** 275      **Length** 400

**Src Const Material**

Offsite

**Surface Formation**

UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Sage, rabbit brush

#### **Soil Type and Characteristics**

Loamy sand

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** Y

Corner 8 to be shortened to avoid drainage. A diversion is needed around the top side of the location to drain to the west.



**Berm Required? Y**

**Erosion Sedimentation Control Required? N**

**Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

**Distance to Groundwater (feet)**

**Distance to Surface Water (feet)**

**Dist. Nearest Municipal Well (ft)**

**Distance to Other Wells (feet)**

**Native Soil Type**

**Fluid Type**

**Drill Cuttings**

**Annual Precipitation (inches)**

**Affected Populations**

**Presence Nearby Utility Conduits**

**Final Score**

**Sensitivity Level**

**Characteristics / Requirements**

The reserve pit is proposed in a cut stable location. Dimensions are 235 x 70 x 10ft. Bill Barrett representative Kary Eldredge stated that a 20 mil reserve pit liner and felt subliner is used on all BBC locations as standard equipment. This liner program appears adequate for this location.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y**

**Other Observations / Comments**

Richard Powell  
**Evaluator**

11/20/2012  
**Date / Time**

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
7122	43047533180000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	VERNON RICHENS	
<b>Well Name</b>	FD 11-31-2-2		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NESW 31 2S 2E U 2170 FSL 2170 FWL GPS Coord (UTM) 600889E 4457776N				

#### Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 1,500 feet of surface casing at this location. The entire surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,600'. A search of Division of Water Rights records shows 5 water wells within a 10,000 foot radius of the center of Section 31. The wells are 60-400 feet in depth with listed uses as domestic, irrigation and stock watering. Only one well is within .5 miles of the proposed location. The wells probably produce water from near-surface alluvium and the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up to or above the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

Brad Hill  
**APD Evaluator**

12/4/2012  
**Date / Time**

#### Surface Statement of Basis

This well is on fee surface with fee minerals. Surface owner Vernon Richens was invited to this onsite and several other well sites to be visited this day. I met with Mr. Richens to discuss the well sites in general and he stated that prior to placement of the wells on the Richens land, he was consulted and all locations were placed such that his farming and livestock operation would not be disturbed. Mr. Vernon chose not to visit each site individually but expressed that he had no concerns with any of the proposed locations. Several gates and cattle guards will be installed by Bill Barrett Corporation as requested by Vernon Richens. According to Kari Eldredge a 20 mil liner will be used for this reserve pit. This liner will be adequate for the location. A drainage diversion is needed around the south of the location and corner 8 must be shortened to avoid a small drainage there. The spoils pile will be moved to the east side of the location to stay out of the rock ledges adjacent to the upper (south) side of the location.

Richard Powell  
**Onsite Evaluator**

11/20/2012  
**Date / Time**

#### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

API Well Number: 43047533180000

Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

RECEIVED: December 09, 2013



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/9/2012

API NO. ASSIGNED: 43047533180000

WELL NAME: FD 11-31-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NESW 31 020S 020E

Permit Tech Review: ☒

SURFACE: 2170 FSL 2170 FWL

Engineering Review: ☒

BOTTOM: 2170 FSL 2170 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.26438

LONGITUDE: -109.81349

UTM SURF EASTINGS: 600889.00

NORTHINGS: 4457776.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

## LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: STATE - LPM4138148

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☐ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 49-2336

Board Cause No: Cause 139-106

☐ RDCC Review:

Effective Date: 11/14/2013

☒ Fee Surface Agreement

Siting: 660' Fr Drlg U Bdry &amp; 990' Fr Other Wells

☒ Intent to Commingle☐ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet  
5 - Statement of Basis - bhill  
12 - Cement Volume (3) - hmacdonald  
25 - Surface Casing - hmacdonald

RECEIVED: December 09, 2013



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** FD 11-31-2-2

**API Well Number:** 43047533180000

**Lease Number:** fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 12/9/2013

### Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-106. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Commingle:

In accordance with Board Cause 139-42, commingling of the production from the Wasatch formation and the Lower Green River formation in this well is allowed.

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1000' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

### Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**



**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 11-31-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2170 FSL 2170 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047533180000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>1/9/2014</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION           </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER           </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION           </div> </div>

OTHER: 

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Bill Barrett Corporation is requesting permission to revise the drilling plan for this well: Surface casing set depth: 1200'; Surface casing description: 8-5/8" 24# J55 STC (Hole size remains at 12-1/4" hole); Surface cement volumes: 160 sx 11.0 ppg lead (75% excess) 270 sx 14.8 ppg tail (75% excess); Production Hole and Casing size remains the same; Production grade changing to: P-110 OR I-80.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** January 09, 2014

**By:** *D. K. Duff*

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/9/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 11-31-2-2			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2170 FSL 2170 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047533180000			
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 1/6/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
Bill Barrett Corporation is requesting permission to revise the drilling plan for this well: Surface casing set depth: 1200'; Surface casing description: 8-5/8" 24# J55 STC (Hole size remains at 12-1/4" hole); Surface cement volumes: 160 sx 11.0 ppg lead (75% excess) 270 sx 14.8 ppg tail (75% excess); Production Hole and Casing size remains the same; Production grade changing to: P-110 OR I-80.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> January 09, 2014 <b>By:</b> <u>Derek Duff</u>					
<b>NAME (PLEASE PRINT)</b> Brady Riley		<b>PHONE NUMBER</b> 303 312-8115			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Permit Analyst			
<b>DATE</b> 1/6/2014					



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 11-31-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2170 FSL 2170 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047533180000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 2/4/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type: Soilmec SR/30 Spud Date: 2/4/14 Spud Time: 10:30 AM Commence Drilling approximate start date: 2/15/2014		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> February 05, 2014		
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/5/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 11-31-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047533180000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2170 FSL 2170 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/28/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the February 2014 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 03, 2014

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 3/3/2014

**FD 11-31-2-2 2/21/2014 06:00 - 2/22/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 1,233.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	-------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00			RIG UP - DRILL 12 1/4 SURFACE F/80' T/1220' - CIRC - SPOT MUD - WIPER TRIP - CIRC - T.O.O.H. - R/U & RUN 8 5/8 CSG - CEMENT - R/D



CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Pro Petro #10  
Submitted By Jack Warr Phone Number 970-261-4665  
Well Name/Number FD 11-31-2-2  
Qtr/Qtr NE/SW Section 31 Township 2S Range 2E  
Lease Serial Number \_\_\_\_\_  
API Number 43-0475-33180000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 2/23/14 0600 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

**FEB 24 2014**

DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Drill 12 1/4" Surface Hole to @ 1200' - Set & Cement  
8 5/8" 24# J-55 Csg w/ Pro Petro #10

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 11-31-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2170 FSL 2170 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047533180000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/31/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  No Monthly drilling to report, Well spud on 2/4/2014		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> April 02, 2014		
<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/2/2014	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted  
By Pat Clark Phone Number 303-353-5374  
Well Name/Number FD 11-31-2-2  
Qtr/Qtr NE/SW Section 31 Township 2S Range 2E  
Lease Serial Number FEF  
API Number 43-047-53318

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4-8-14 01:00 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks 9200' of 5 1/2", 17#, I-80 csg & cmt

\_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 11-31-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2170 FSL 2170 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047533180000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE TUBING
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the April 2014 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 06, 2014

<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/6/2014	



**FD 11-31-2-2 4/1/2014 06:00 - 4/2/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drlg 1820' - 3496'. Wob 12-18k, rpm 35-45/82, spp 1550 psi, dp 350-450 psi, 480 gpm, rop 146 fph.
17:30	1.00	18:30	7	LUBRICATE RIG	Rig Service. Bop Drill.
18:30	11.50	06:00	2	DRILL ACTUAL	Steerable drlg 3496' - 4861'. Wob 12-18k, rpm 35-45/82, spp 1550 psi, dp 350-450 psi, 480 gpm, rop 119 fph.

**FD 11-31-2-2 4/2/2014 06:00 - 4/3/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drlg 4861' - 5556'. Wob 12-18k, rpm 35-45/82, spp 1550 psi, dp 350-450 psi, 480 gpm, rop 60 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rid Service.
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drlg 5556' - 5834'. Wob 12-18k, rpm 35-45/82, spp 1550 psi, dp 350-450 psi, 480 gpm, rop 24 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

**FD 11-31-2-2 4/3/2014 06:00 - 4/4/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drlg 5834' - 6151'. Wob 18-24k, rpm 35-45/82, spp 1750 psi, dp 150-250 psi, 480 gpm, rop 28 fph.
17:30	1.00	18:30	7	LUBRICATE RIG	Rig Service.
18:30	11.50	06:00	2	DRILL ACTUAL	Steerable drlg 6151' - 6449'. Wob 18-28k, rpm 35-45/82, spp 1950 psi, dp 150-250 psi, 480 gpm, rop 26 fph.

**FD 11-31-2-2 4/4/2014 06:00 - 4/5/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	2	DRILL ACTUAL	Steerable drlg 6449' - 6706'. Wob 18-28k, rpm 35-45/82, spp 1950 psi, dp 150-250 psi, 480 gpm, rop 30 fph.
14:30	1.50	16:00	5	COND MUD & CIRC	C&Cmud, sweep hole. Pump dry job.
16:00	5.00	21:00	6	TRIPS	Toh.
21:00	2.00	23:00	20	DIRECTIONAL WORK	L/D MWD, X/O bit, scribe mm.
23:00	6.50	05:30	6	TRIPS	Tih.
05:30	0.50	06:00	2	DRILL ACTUAL	Steerable drlg 6706' - 6735'. Wob 18-28k, rpm 35-45/82, spp 1950 psi, dp 150-250 psi, 480 gpm, rop 58 fph.

**FD 11-31-2-2 4/5/2014 06:00 - 4/6/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	Steerable drlg 6735' - 7166'. Wob 18-28k, rpm 35-45/82, spp 1950 psi, dp 150-250 psi, 480 gpm, rop 66 fph. Took small gas kick @ 7150', oil on shakers.
12:30	0.50	13:00	20	DIRECTIONAL WORK	Downlink MWD.
13:00	1.00	14:00	5	COND MUD & CIRC	C&C, circ out gas and oil, raise mw to 9.3 ppg. X/O rot rubber.
14:00	3.50	17:30	2	DRILL ACTUAL	Steerable drlg 7166' - 7379'. Wob 18-28k, rpm 35-45/82, spp 1950 psi, dp 150-250 psi, 480 gpm, rop 61 fph. Raise mw to 9.5 ppg.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service. Bop drill.
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drlg 7379' - 8112'. Wob 18-28k, rpm 35-45/82, spp 1950 psi, dp 150-250 psi, 480 gpm, rop 64 fph. Raise mw to 9.7 ppg.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service. Bop drill.

**FD 11-31-2-2 4/6/2014 06:00 - 4/7/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 8112' - 8929'. Wob 18-28k, rpm 35-45/82, spp 2450 psi, dp 150-350 psi, 480 gpm, rop 74 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.
17:30	0.50	18:00	20	DIRECTIONAL WORK	Downlink MWD.
18:00	9.00	03:00	2	DRILL ACTUAL	Steerable drlg 8929' - 9200'. Wob 18-28k, rpm 35-45/82, spp 2450 psi, dp 150-350 psi, 480 gpm, rop 30 fph. TD well @ 03:00. (122.5 bit hours, 5.1 days.)
03:00	3.00	06:00	5	COND MUD & CIRC	C&C mud, sweep hole, raise mw and lcm content.

**FD 11-31-2-2 4/7/2014 06:00 - 4/8/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	C&C mud, raise mw to 10 ppg and lcm content to 15%.
09:00	4.50	13:30	6	TRIPS	ST to 6700'.
13:30	2.00	15:30	5	COND MUD & CIRC	C&C mud f/toh. Flow check, pump dry job.
15:30	7.00	22:30	6	TRIPS	Toh.
22:30	1.00	23:30	20	DIRECTIONAL WORK	L/D dir tools.
23:30	0.50	00:00	21	OPEN	Pull wear bushing.
00:00	1.50	01:30	9	CUT OFF DRILL LINE	Slip and cut 80' drill line.
01:30	1.00	02:30	21	OPEN	Clean trip tank to fill csg w/clean mud.
02:30	3.50	06:00	12	RUN CASING & CEMENT	Run 5 1/2", 17#, I-80, lt7c csg. Details on next report.

**FD 11-31-2-2 4/8/2014 06:00 - 4/9/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	12	RUN CASING & CEMENT	Finish running 5 1/2", 17#, I-80, LT&C csng as follows: FS, 2 jts csg, FC, 17 jts csg, MJ @ 8326', 18 jts csg, MJ @ 7510', 170 jts csg(207 total). P/U jt # 208, tag bottom @ 9200'.
13:00	3.50	16:30	5	COND MUD & CIRC	C&C, reciprocate pipe. Bring YP to <10, vis - 36 spq.
16:30	3.50	20:00	12	RUN CASING & CEMENT	HSM. Cement prod csg as follows: Test lines to 5000 psi. Pump 40 bbls tuned spacer @ 10.3 ppg, Mix and pump 545 sx (227 bbls) tuned lite lead @ 11 ppg, 2.34 yld, 10.1 gps h2o. Tail in with 730 sx (188 bbls) Expandacem @ 13.5 ppg, 1.45 yld, 6.91 gps h2o. Wash up to pit, drop plug, displace with 211 bbls Cla-web/Aldicide @ 8.34 ppg. Max pressure 1880 psi, bump plug to 2400 psi. Bled back 2 bbls, floats held. Full returns, spacer to surface. R/D HES.
20:00	6.00	02:00	21	OPEN	Remove LJ, set and test packoff. Clean pits, NDBOP, release rig @ 02:00.

**FD 11-31-2-2 4/10/2014 06:00 - 4/11/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

**FD 11-31-2-2 4/12/2014 06:00 - 4/13/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	MIRU HES. HSM. CHECK PRESSURE. RIH W/ GR/JB TO TAG FILL AT 9077', DRLG SHOWS FC AT 9101' (HAVE 24' FILL). RUN RMT/RBL LOG UNDER PRESSURE. RUN REPEAT PAS 3320'-3000'. LOG SHOWS CMT TD-7200' GOOD, 7200'-6480' FAIR. 6480'-3410' GOOD WITH RATTY SPOTS. 3410' - 2700' POOR. TOC EST AT 2700'. SHORT JTS AT 7464'-7487' AND 8324'-8347'. RD HES AND SECURE WELL.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 11-31-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2170 FSL 2170 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047533180000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/9/2014	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER

OTHER: 

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well had first production on 5/9/14 and first gas sales on 5/10/14  
 and first oil sales on 5/13/14.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 13, 2014

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/12/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 11-31-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047533180000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2170 FSL 2170 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 31 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the May 2014 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 05, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 6/5/2014



**FD 11-31-2-2 5/2/2014 06:00 - 5/3/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL.

**FD 11-31-2-2 5/5/2014 06:00 - 5/6/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE.

**FD 11-31-2-2 5/6/2014 06:00 - 5/7/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.50	09:30	SRIG	Rig Up/Down	SPOT AND RU CASED HOLE EWL WITH 5" 10K LUBE. 0 PSI ON SURFACE CSG.
09:30	1.00	10:30	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 8324'-8348'. RUN DOWN AND PERF CASTLE PEAK AND UTELAND BUTTE FORM 8705'-9019' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
10:30	4.00	14:30	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

**FD 11-31-2-2 5/7/2014 06:00 - 5/8/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.67	06:40	SMTG	Safety Meeting	AOL 05:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA.
06:40	1.42	08:05	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 580 PSI AT 06:47 BREAK DOWN 3211 PSI AT 7.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 2423 PSI. FLUSH W/ 8500 GAL. 29.4 BPM AT 3280 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 3829 PSI. ISDP 2533. FG .72. PERFS OPEN 41/45  ISIP 2868, FG .76, MR 70.6 BPM, AR 70.1 BPM, MP 4998 PSI, AP 3621 PSI 100 MESH 8000 lbs. .75 ppg 20/40 WHITE 150,400 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 967 BBL, 20# HYBOR G (16) 1594 BBL, BTR 2666 BBLs  SHUT IN AND TURN OVER TO CASED HOLE.
08:05	1.34	09:25	PFRT	Perforating	PERF STG #2- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8324'-8348'. RUN DOWN AND SET 5-1/2" CBP AT 8690' WITH 2450 PSI. PULL UP AND PERF DOUGLAS CREEK, BLACK SHALE, AND CASTLE PEAK 8387'-8670' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1950 PSI. TURN WELL OVER TO HES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:25	1.25	10:40	FRAC	Frac. Job	<p>FRAC STG 2  PRESSURE TEST LINES TO 7250 PSI.  OPEN WELL W/ 1743 PSI AT 09:30  BREAK DOWN 2793 PSI AT 10.3 BPM.  PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2692 PSI.  FLUSH W/ 8189 GAL. 29.8 BPM AT 3182 PSI. BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 4053 PSI. ISDP 2738. FG .76.  PERFS OPEN 38/45</p> <p>ISIP 2973, FG .79, MR 73.3 BPM, AR 70.0 BPM, MP 6007 PSI, AP 3757 PSI  100 MESH 8200 lbs. .75 ppg  20/40 WHITE 150,500 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg  SLK WTR 959 BBL, 20# HYBOR G (16) 1599 BBL, BTR 2651 BBLS</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
10:40	1.25	11:55	PFRT	Perforating	<p>PERF STG #3- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 2800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7464'-7487'. RUN DOWN AND SET 5-1/2" CBP AT 8358' WITH 2650 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 7988'-8338' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2050 PSI. TURN WELL OVER TO HES.</p>
11:55	2.58	14:30	FRAC	Frac. Job	<p>FRAC STG 3  PRESSURE TEST LINES TO 7300 PSI.  OPEN WELL W/ 2064 PSI AT 12:00  BREAK DOWN 2625 PSI AT 9.8 BPM.  PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 2733 PSI.  FLUSH W/ 7799 GAL. 30.1 BPM AT 3384 PSI. BALL OUT.  SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 70.1 BPM AT 4033 PSI. ISDP 2743. FG .77.  PERFS OPEN 39/45</p> <p>ISIP 2899, FG .79, MR 70.4 BPM, AR 68.0 BPM, MP 5410 PSI, AP 3648 PSI  100 MESH 8300 lbs. .75 ppg  20/40 WHITE 150,200 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg  SLK WTR 935 BBL, 20# HYBOR G (16) 1720 BBL, BTR 2748 BBLS</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p> <p>DOWN 1:15 HR- MECHANIC DOWNLOADED A FLASH DRIVE ONTO DECK ENGINE. BETWEEN STAGES. WASN'T ABLE TO GET GEL. SHUT DOWN. WORK ON GROWLER. ABLE TO GET WORKING IN MANUAL. START BACK UP. HAD ISSUES WITH FLOWMETERS AS GO TO FLUSH. UNCERTAIN OF ACTUAL PUMPED, EST PUMPED 8000 GAL FOR FLUSH.</p>
14:30	1.25	15:45	PFRT	Perforating	<p>PERF STG #4- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7464'-7487'. RUN DOWN AND SET 5-1/2" CBP AT 7978' WITH 2450 PSI. PULL UP AND PERF TGR3 AND DOUGLAS CREEK FORM 7659'-7951' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1900 PSI. TURN WELL OVER TO HES.</p>
15:45	3.75	19:30	FRAC	Frac. Job	<p>FRAC STG 4-  START PUMP FOR BREAK, PRESSURE CLIMBED TO 6000 PSI.  NO BREAK. SURGE INTO SEVERAL TIME TO 6000 PSI. BLEED PRESSURE DOWN TO 1000 PSI.</p> <p>RU WIRELINE WITH DUMP BAILER AND RIH TO SPOT ACID. SET DOWN ON SAND AT 7580'. (TOP PERF 7659') DUMP ACID ABOVE SAND FOR SAFETY. POOH W/ DUMP BAILER. PRESSURE NOW AT 2100 PSI.</p> <p>ATTEMP TO PUMP DOWN AGAIN. NO SUCCESS.</p> <p>OPEN WELL AND FLOW FOR 1 HR. FLOW 45 BBLS. PRESSURE CAME DOWN TO 25 PSI WITH .5 BPM FLOW. SHUT IN. PRESSURE UP TO 1300 PSI</p> <p>ATTEMPT TO PUMP INTO PERFS. 5 PBM AT 3200 PSI. 10 BPM WENT TO 4100 PSI. DROP RATE TO 5 BPM. PRESSURE CAME DOWN TO 3200 PSI THEN CLIMBED TO 6000 PSI. SHUT WELL IN.</p>
19:30	2.00	21:30	SRIG	Rig Up/Down	RDMO HES AND CASED HOLE SOLUTIONS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
21:30	8.49	06:00	FBCK	Flowback Well	SICP 2000 PSI. OPEN WELL AT 9:40. BLED DOWN TO 25 PSI WITH FLOW OF 1 BPM. TURN OVER TO FB CREW.

**FD 11-31-2-2 5/8/2014 06:00 - 5/9/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	2.00	09:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
09:00	3.00	12:00	BOPI	Install BOP's	N/D FRAC TREE. N/U BOPE. R/U FLOOR & EQUIPMENT. SPOT IN CATWALK & PIPE RACKS. LOAD 304 JTS ON RACKS & TALLY.
12:00	3.50	15:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS 1 JT 2-7/8 TBG & S/N. RIH P/U NEW 2-7/8 TBG. TAG SAND @ 5953'.
15:30	3.00	18:30	GOP	General Operations	R/U POWER SWIVEL. BREAK CIRC. TEST BOPE TO 2000 PSI, HELD.  C/O SAND & D/O CBP @ 7978'. CFP- 1600 PSI ON 18/64 CHOKE.  SWIVEL IN HOLE, TAG SAND @ 8338'. C/O SAND & D/O CBP @ 8358'. CFP- 1800 ON 18/64 CHOKE. CIRC CLEAN. R/D SWIVEL. EOT @ 8375'. TURN WELL OVER TO FLOWBACK. SDFN.
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**FD 11-31-2-2 5/9/2014 06:00 - 5/10/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	4.00	11:00	DOPG	Drill Out Plugs	CFP- 1000 ON 18/64 CHOKE. RIH F/ 8375 W/ 4-3/4 BIT, TAG SAND @ 8670'. R/U SWIVEL. BREAK CIRC. C/O SAND & D/O CBP @ 8690'. FCP- 1050 ON 18/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8874'. C/O SAND TO F/C @ 9101'. D/O F/C. C/O CMT TO 9171' PBTD. 288 JTS. CIRC WELL CLEAN. R/D SWIVEL.
11:00	1.50	12:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 7554' & LAND TBG. 237 JTS TOTAL IN HOLE.
12:30	1.50	14:00	BOPI	Install BOP's	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF @ 3400 PSI. R/U TBG TO SALES LINE. TURN OVER TO FLOWBACK. SICP- 1000, FTP - 950 ON 18/64 CHOKE.
14:00	1.50	15:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. CLEAN LOCATION.
15:30	2.00	17:30	RMOV	Rig Move	ROAD RIG TO 5-9D-46. STAGE RIG. SDFN.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**FD 11-31-2-2 5/13/2014 06:00 - 5/14/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.
07:30	23.50	07:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**FD 11-31-2-2 5/14/2014 06:00 - 5/15/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	2.00	09:00	WKLL	Kill Well	KILL WELL W/ 250 BBLS WATER.
09:00	1.00	10:00	BOPI	Install BOP's	R/D WELLHEAD. N/U BOP. R/U FLOOR & EQUIPMENT.
10:00	2.00	12:00	TRIP	Tripping	RIH F/ 7555' P/U 2-7/8 TBG, TAG 6' OF FILL @ 9165', BOTTOM PERF 9171'. POOH L/D TBG TO 6204'.
12:00	1.50	13:30	PULT	Pull Tubing	POOH W/ BOTTOM HALF POBS. 193 JTS TOTAL.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:30	3.50	17:00	RUTB	Run Tubing	RIH W/ 5-1/2 8RD TAC & BHA. SET TAC @ 5930', BARREL @ 6023' & EOT @ 6204'. N/D BOP. R/U WELLHEAD. R/U RODS. PREP RODS. SDFN.  186-JTS 2-7/8" L-80 5-1/2" 8RD TAC, 20K TENSION. 2-JTS 2-7/8" L-80 PSN 4' TBG SUB 3-1/2" DESANDER 5-JTS 2-7/8" L-80 BULL PLUG
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**FD 11-31-2-2 5/15/2014 06:00 - 5/16/2014 06:00**

API 43-047-53318	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,200.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	GOP	General Operations	FINISH FLUSHING TBG. DROP STANDING VALVE & FLUSH W/ 15 BBLs.
08:00	5.00	13:00	RURP	Run Rods & Pump	RIH W/ TBG PUMP P/U NEW RODS. SPACE OUT & SEAT PUMP. FILL TBG & STROKE TEST PUMP TO 1000 PSI, HELD. HANG HORSE HEAD.  1-1/2 x 30' POLISH ROD. PONYs. 2', 10'. D 88- 1" RODS. 4 PER D 79- 7/8" RODS. 4 PER D 44- 3/4" RODS. 4 PER D 28- 1" RODS. 4 PER D TBG PUMP. 2-1/4".
13:00	1.00	14:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT.
14:00	1.50	15:30	RMOV	Rig Move	ROAD RIG TO RU 28-14. SDFN.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
FD 11-31-2-29. API NUMBER:  
430475331810 FIELD AND POOL, OR WILDCAT  
Wildcat11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:  
NESW 31 2S 2E U12. COUNTY  
Uintah13. STATE  
UTAH1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHERb. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER2. NAME OF OPERATOR:  
Bill Barrett Corporation3. ADDRESS OF OPERATOR:  
1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202PHONE NUMBER:  
(303) 293-9100

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 2170 FSL 2170 FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 2122 FSL 2155 FWL

AT TOTAL DEPTH: 2076 FSL 2154 FWL

14. DATE SPUDDED:  
2/4/201415. DATE T.D. REACHED:  
4/7/201416. DATE COMPLETED:  
5/9/2014ABANDONED ☐READY TO PRODUCE ☒17. ELEVATIONS (DF, RKB, RT, GL):  
5060 GL18. TOTAL DEPTH: MD 9,200  
TVD 9,19819. PLUG BACK T.D.: MD 9,102  
TVD 9,100

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

TRIPLE COMBO/CBL/MUD

23.

WAS WELL CORED?

NO ☒YES ☐

(Submit analysis)

WAS DST RUN?

NO ☒YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☒

(Submit copy)

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
24	16 Con	65#	0	80	80			0	
12 1/4	8 5/8 J-55	24#	0	1,233	1,217	Lead 150	102	0	
						Tail 520	107		
7 7/8	5 1/2 I-80	17#	0	9,200	9,192	Lead 545	227	2704	
						Tail 730	188		

## 25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	6,205							

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	7,659	9,019		
(B)				
(C)				
(D)				

## 27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,659 9,019 .38 180			Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7659-9019	Green River: See attached Stage 1-4

## 29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

## 30. WELL STATUS:

POW

**31. INITIAL PRODUCTION****INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: 5/9/2014		TEST DATE: 5/17/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 319	GAS – MCF: 80	WATER – BBL: 200	PROD. METHOD: Flowing
CHOKE SIZE: 64/64	TBG. PRESS. 400	CSG. PRESS. 100	API GRAVITY 31.99	BTU – GAS 1	GAS/OIL RATIO 250	24 HR PRODUCTION RATES: →	OIL – BBL: 319	GAS – MCF: 80	WATER – BBL: 200	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**

Sold

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	5,404
				Mahogany	6,567
				TGR3	7,657
				Douglas Creek	7,842
				Black Shale Facies	8,462
				Castle Peak	8,548
				Uteland Butte	8,761
				Wasatch	9,200
				TD	9,200

**35. ADDITIONAL REMARKS (Include plugging procedure)**

TOC was calculated by CBL. Conductor cemented with grout. First gas sales was 5/10/2014, first oil sales 5/13/2014

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christina HirtlerTITLE Permit Analyst

SIGNATURE \_\_\_\_\_

DATE 6/6/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**11-31-2-2 FD Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<u><i>Stage</i></u>	<u><i>bbls Slurry</i></u>	<u><i>lbs Common White 100 Mesh Sand</i></u>	<u><i>lbs 20/40 Premium White</i></u>	<u><i>gal 15% HCl Acid</i></u>
1	2666	8076	150424	3900
2	2651	8207	150493	3400
3	2749	8373	150327	3400
4	BBC perf'd all stages and all perf's are open but BBC did not frac stage 4 at this time, so no frac treatment was used for that stage.			

\*Depth intervals for frac information same as perforation record intervals.



## Payzone Directional

### End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 11-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Well:</b>	FD 11-31-2-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	Fort Duchesne		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Southern Zone		

<b>Site</b>	SECTION 31 T2S, R2E		
<b>Site Position:</b>		<b>Northing:</b>	11,161,342.96 usft
<b>From:</b>	Map	<b>Easting:</b>	2,110,454.25 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 16' 32.403 N
		<b>Longitude:</b>	109° 49' 0.873 W
		<b>Grid Convergence:</b>	1.03 °

<b>Well</b>	FD 11-31-2-2, SHL: 40° 15' 51.920 -109° 48' 48.750		
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>	5,074.0 usft
		<b>Latitude:</b>	40° 15' 51.920 N
		<b>Longitude:</b>	109° 48' 48.750 W
		<b>Ground Level:</b>	5,059.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	3/22/2014	10.89	65.95	52,154

<b>Design</b>	Actual			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>
				0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	189.69

<b>Survey Program</b>	<b>Date</b>	4/10/2014		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
1,243.0	9,200.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination





## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 11-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Well:</b>	FD 11-31-2-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,243.0	0.31	181.87	1,243.0	3.3	-3.4	-0.1	0.02	0.02	0.00	
1,287.0	0.49	176.98	1,287.0	3.6	-3.7	-0.1	0.42	0.41	-11.11	
1,331.0	0.49	180.90	1,331.0	4.0	-4.0	-0.1	0.08	0.00	8.91	
1,375.0	0.49	184.78	1,375.0	4.4	-4.4	-0.1	0.08	0.00	8.82	
1,417.0	0.71	178.30	1,417.0	4.8	-4.9	-0.1	0.55	0.52	-15.43	
1,460.0	0.80	186.41	1,460.0	5.4	-5.4	-0.1	0.32	0.21	18.86	
1,503.0	1.02	192.10	1,503.0	6.1	-6.1	-0.3	0.55	0.51	13.23	
1,545.0	1.10	198.00	1,545.0	6.8	-6.8	-0.5	0.32	0.19	14.05	
1,591.0	1.19	201.18	1,591.0	7.7	-7.7	-0.8	0.24	0.20	6.91	
1,635.0	1.28	214.31	1,635.0	8.6	-8.5	-1.2	0.67	0.20	29.84	
1,679.0	1.41	215.41	1,678.9	9.6	-9.4	-1.8	0.30	0.30	2.50	
1,767.0	1.28	214.17	1,766.9	11.4	-11.1	-3.0	0.15	-0.15	-1.41	
1,898.0	0.71	259.47	1,897.9	13.0	-12.4	-4.6	0.71	-0.44	34.58	
2,027.0	0.49	38.21	2,026.9	12.8	-12.2	-5.1	0.87	-0.17	107.55	
2,113.0	0.80	39.40	2,112.9	12.0	-11.4	-4.4	0.36	0.36	1.38	
2,198.0	0.71	46.67	2,197.9	11.1	-10.6	-3.7	0.15	-0.11	8.55	
2,283.0	0.71	75.67	2,282.9	10.4	-10.1	-2.8	0.42	0.00	34.12	
2,368.0	0.88	342.81	2,367.9	9.6	-9.3	-2.5	1.36	0.20	-109.25	
2,450.0	1.02	323.20	2,449.9	8.6	-8.2	-3.1	0.43	0.17	-23.91	
2,542.0	0.88	306.10	2,541.8	7.7	-7.1	-4.2	0.34	-0.15	-18.59	
2,627.0	0.80	260.71	2,626.8	7.6	-6.8	-5.3	0.77	-0.09	-53.40	
2,712.0	0.80	1.40	2,711.8	7.2	-6.3	-5.8	1.45	0.00	118.46	
2,798.0	0.40	327.18	2,797.8	6.4	-5.4	-6.0	0.61	-0.47	-39.79	
2,882.0	0.49	305.51	2,881.8	6.0	-5.0	-6.4	0.23	0.11	-25.80	
2,971.0	0.42	232.20	2,970.8	6.1	-5.0	-7.0	0.61	-0.08	-82.37	
3,057.0	1.02	338.71	3,056.8	5.6	-4.4	-7.5	1.41	0.70	123.85	



# Payzone Directional

## End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 11-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Well:</b>	FD 11-31-2-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
3,143.0	1.02	338.40	3,142.8	4.3	-3.0	-8.1	0.01	0.00	-0.36	
3,228.0	0.62	325.58	3,227.8	3.4	-1.9	-8.6	0.51	-0.47	-15.08	
3,314.0	0.22	276.31	3,313.8	3.0	-1.5	-9.1	0.59	-0.47	-57.29	
3,356.0	0.09	202.27	3,355.8	3.1	-1.6	-9.2	0.51	-0.31	-176.29	
3,441.0	0.71	72.01	3,440.8	2.9	-1.5	-8.7	0.91	0.73	-153.25	
3,526.0	1.50	70.60	3,525.8	2.1	-0.9	-7.1	0.93	0.93	-1.66	
3,611.0	1.41	85.19	3,610.7	1.3	-0.5	-5.0	0.45	-0.11	17.16	
3,696.0	1.41	86.41	3,695.7	0.8	-0.3	-2.9	0.04	0.00	1.44	
3,782.0	1.50	96.69	3,781.7	0.5	-0.4	-0.8	0.32	0.10	11.95	
3,867.0	1.59	99.77	3,866.7	0.4	-0.7	1.5	0.14	0.11	3.62	
3,953.0	1.59	105.37	3,952.6	0.6	-1.2	3.8	0.18	0.00	6.51	
4,038.0	0.71	112.07	4,037.6	0.8	-1.7	5.4	1.05	-1.04	7.88	
4,123.0	0.62	113.61	4,122.6	1.0	-2.1	6.4	0.11	-0.11	1.81	
4,208.0	0.80	10.57	4,207.6	0.5	-1.7	6.9	1.31	0.21	-121.22	
4,294.0	0.49	28.87	4,293.6	-0.4	-0.8	7.2	0.43	-0.36	21.28	
4,379.0	0.22	193.20	4,378.6	-0.6	-0.6	7.3	0.83	-0.32	193.33	
4,465.0	0.40	230.48	4,464.6	-0.2	-1.0	7.0	0.30	0.21	43.35	
4,550.0	0.49	312.71	4,549.6	-0.2	-0.9	6.5	0.69	0.11	96.74	
4,636.0	0.62	257.58	4,635.6	-0.2	-0.8	5.8	0.61	0.15	-64.10	
4,721.0	1.10	298.00	4,720.6	-0.3	-0.5	4.6	0.88	0.56	47.55	
4,851.0	1.10	274.99	4,850.6	-0.6	0.2	2.3	0.34	0.00	-17.70	
4,937.0	1.28	233.61	4,936.5	0.2	-0.3	0.7	1.00	0.21	-48.12	
5,024.0	1.02	202.01	5,023.5	1.6	-1.6	-0.4	0.78	-0.30	-36.32	
5,110.0	0.62	221.88	5,109.5	2.8	-2.7	-1.0	0.56	-0.47	23.10	
5,196.0	0.88	215.01	5,195.5	3.8	-3.6	-1.7	0.32	0.30	-7.99	
5,240.0	1.19	213.90	5,239.5	4.5	-4.2	-2.1	0.71	0.70	-2.52	
5,327.0	1.59	215.27	5,326.5	6.4	-5.9	-3.3	0.46	0.46	1.57	



# Payzone Directional

## End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 11-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Well:</b>	FD 11-31-2-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
5,413.0	1.41	215.80	5,412.4	8.4	-7.8	-4.6	0.21	-0.21	0.62	
5,541.0	0.71	257.18	5,540.4	10.2	-9.2	-6.3	0.78	-0.55	32.33	
5,627.0	0.49	233.30	5,626.4	10.6	-9.6	-7.1	0.38	-0.26	-27.77	
5,713.0	0.71	1.27	5,712.4	10.4	-9.3	-7.4	1.26	0.26	148.80	
5,755.0	0.40	323.20	5,754.4	10.0	-8.9	-7.5	1.11	-0.74	-90.64	
5,841.0	0.62	235.19	5,840.4	10.1	-8.9	-8.0	0.84	0.26	-102.34	
5,926.0	0.62	245.37	5,925.4	10.7	-9.4	-8.8	0.13	0.00	11.98	
6,011.0	1.10	252.38	6,010.4	11.3	-9.8	-10.0	0.58	0.56	8.25	
6,097.0	1.41	224.31	6,096.4	12.6	-10.8	-11.6	0.79	0.36	-32.64	
6,226.0	1.28	223.78	6,225.3	15.1	-13.0	-13.7	0.10	-0.10	-0.41	
6,311.0	1.81	199.41	6,310.3	17.2	-14.9	-14.8	0.98	0.62	-28.67	
6,396.0	1.02	203.91	6,395.3	19.3	-16.9	-15.5	0.94	-0.93	5.29	
6,482.0	1.41	195.09	6,481.3	21.1	-18.6	-16.1	0.50	0.45	-10.26	
6,567.0	1.90	186.81	6,566.2	23.5	-21.0	-16.5	0.64	0.58	-9.74	
6,685.0	1.68	185.48	6,684.2	27.2	-24.7	-16.9	0.19	-0.19	-1.13	
6,771.0	0.49	143.49	6,770.2	28.7	-26.2	-16.8	1.58	-1.38	-48.83	
6,856.0	0.49	157.90	6,855.2	29.3	-26.9	-16.5	0.14	0.00	16.95	
6,942.0	0.88	180.68	6,941.1	30.2	-27.9	-16.4	0.54	0.45	26.49	
7,028.0	1.28	188.53	7,027.1	31.8	-29.5	-16.5	0.49	0.47	9.13	
7,115.0	1.41	181.47	7,114.1	33.9	-31.5	-16.7	0.24	0.15	-8.11	
7,201.0	1.81	190.91	7,200.1	36.3	-33.9	-17.0	0.56	0.47	10.98	
7,329.0	1.68	175.00	7,328.0	40.1	-37.7	-17.2	0.39	-0.10	-12.43	
7,460.0	1.90	167.11	7,459.0	44.0	-41.8	-16.5	0.25	0.17	-6.02	
7,504.0	1.99	169.40	7,502.9	45.4	-43.2	-16.2	0.27	0.20	5.20	
7,590.0	1.68	168.47	7,588.9	47.9	-45.9	-15.7	0.36	-0.36	-1.08	
7,676.0	0.71	159.40	7,674.9	49.6	-47.7	-15.3	1.15	-1.13	-10.55	
7,763.0	1.19	180.11	7,761.9	50.9	-49.1	-15.1	0.67	0.55	23.80	



# Payzone Directional

## End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 11-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 11-31-2-2 @ 5074.0usft (CAPSTAR 330)
<b>Well:</b>	FD 11-31-2-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
7,848.0	1.50	175.79	7,846.8	52.9	-51.1	-15.0	0.38	0.36	-5.08	
7,934.0	1.59	194.78	7,932.8	55.2	-53.4	-15.2	0.60	0.10	22.08	
8,019.0	1.90	197.69	8,017.8	57.7	-55.8	-15.9	0.38	0.36	3.42	
8,105.0	2.12	195.31	8,103.7	60.7	-58.7	-16.8	0.27	0.26	-2.77	
8,191.0	1.81	181.30	8,189.7	63.6	-61.6	-17.3	0.66	-0.36	-16.29	
8,276.0	1.41	169.58	8,274.6	66.0	-64.0	-17.1	0.61	-0.47	-13.79	
8,361.0	1.68	177.99	8,359.6	68.2	-66.3	-16.9	0.41	0.32	9.89	
8,447.0	1.90	179.98	8,445.5	70.8	-68.9	-16.8	0.27	0.26	2.31	
8,532.0	1.81	180.37	8,530.5	73.5	-71.7	-16.8	0.11	-0.11	0.46	
8,619.0	1.68	180.37	8,617.5	76.1	-74.3	-16.8	0.15	-0.15	0.00	
8,705.0	1.68	174.78	8,703.4	78.6	-76.9	-16.7	0.19	0.00	-6.50	
8,790.0	1.81	179.58	8,788.4	81.1	-79.4	-16.6	0.23	0.15	5.65	
8,877.0	1.90	180.51	8,875.3	83.9	-82.3	-16.6	0.11	0.10	1.07	
8,962.0	1.81	182.40	8,960.3	86.6	-85.0	-16.7	0.13	-0.11	2.22	
9,048.0	2.12	173.90	9,046.2	89.5	-88.0	-16.6	0.49	0.36	-9.88	
9,091.0	2.12	177.29	9,089.2	91.0	-89.5	-16.4	0.29	0.00	7.88	
9,150.0	2.12	171.60	9,148.2	93.1	-91.7	-16.2	0.36	0.00	-9.64	
9,200.0	2.12	171.60	9,198.1	94.9	-93.5	-16.0	0.00	0.00	0.00	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Sundry Number: 52053 API Well Number: 43047533180000

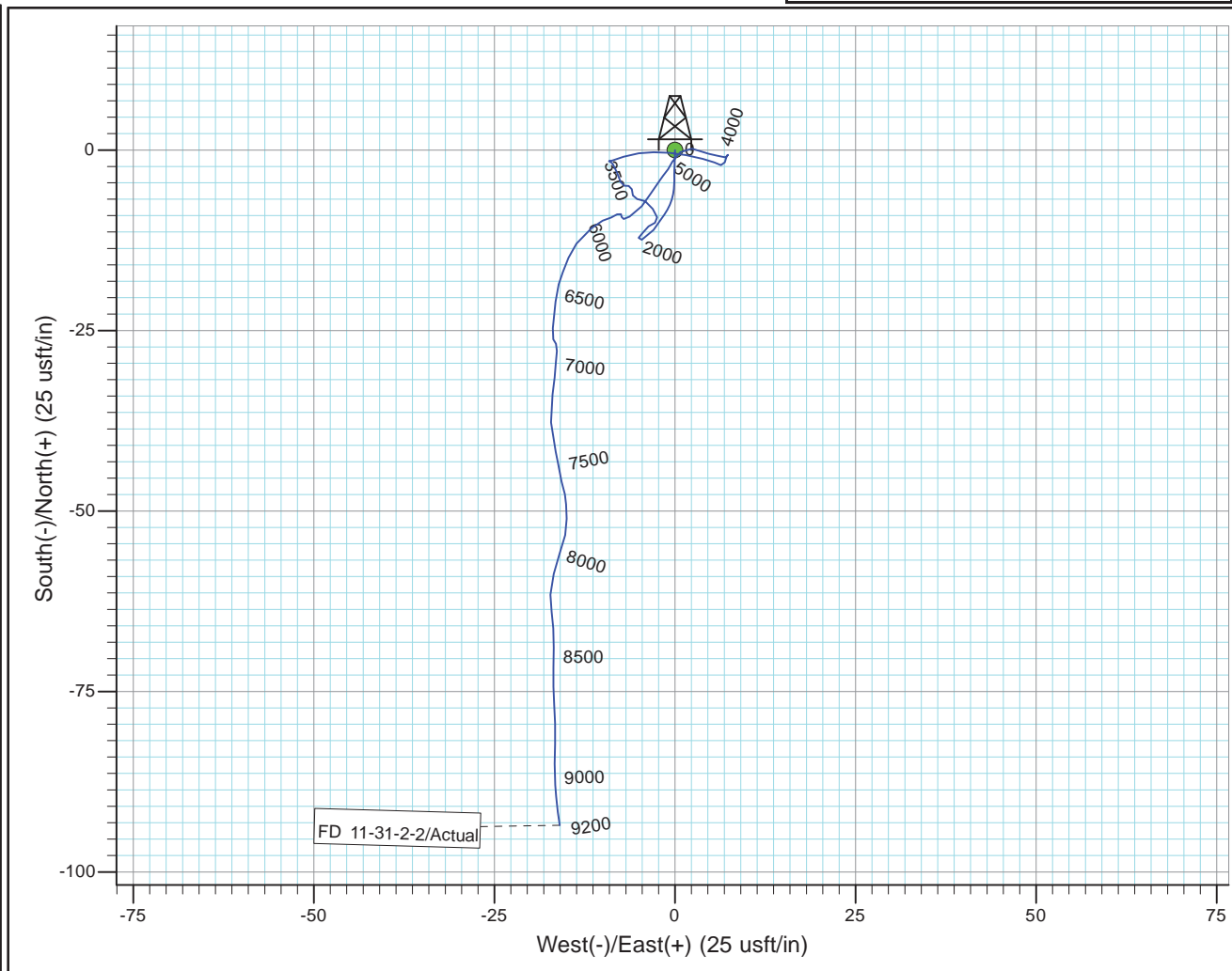
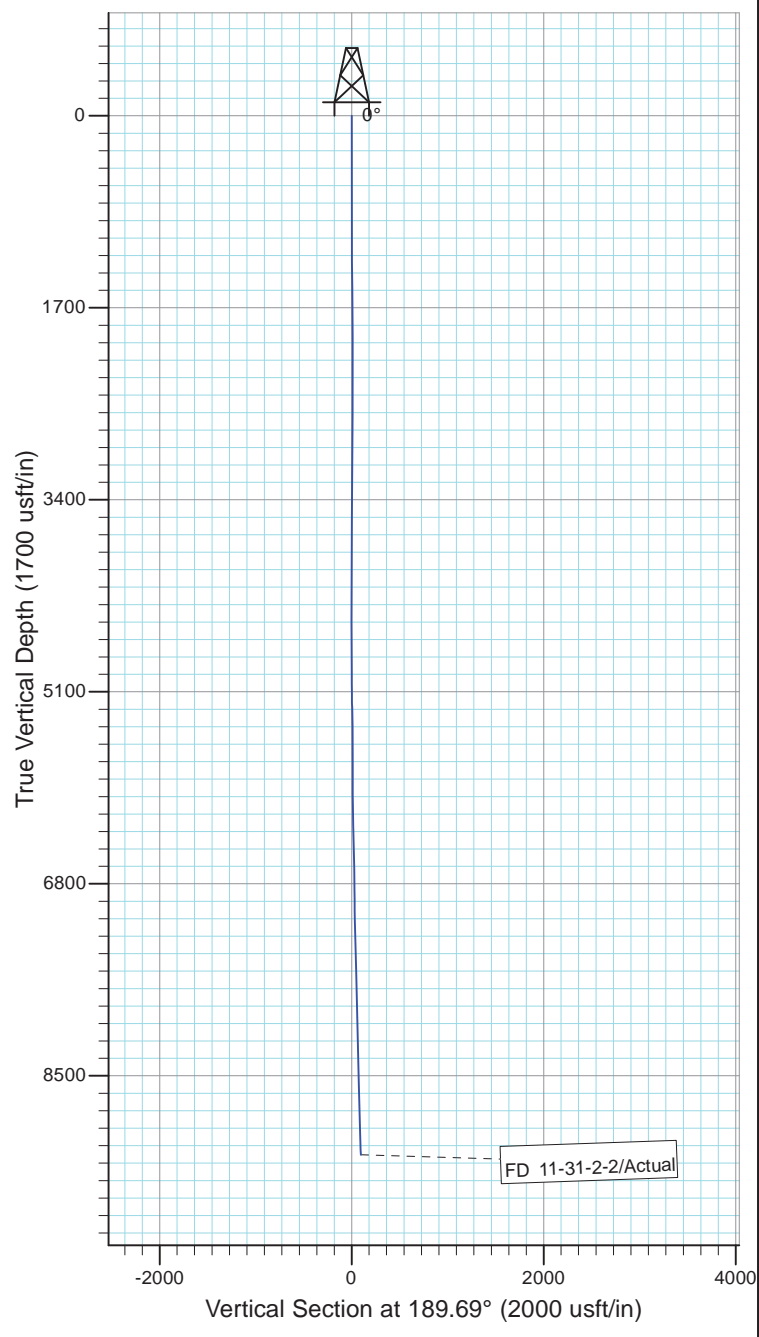


Project: Fort Duchesne  
Site: SECTION 31 T2S, R2E  
Well: FD 11-31-2-2  
Wellbore: Wellbore #1  
Design: Actual



Azimuths to True North  
Magnetic North: 10.89°

Magnetic Field  
Strength: 52153.5snT  
Dip Angle: 65.95°  
Date: 3/22/2014  
Model: IGRF2010



Design: Actual (FD 11-31-2-2/Wellbore #1)

Created By: Matthew Linton

Date: 7:13, April 10 2014

THIS SURVEY IS CORRECT TO THE BEST OF  
MY KNOWLEDGE AND IS SUPPORTED  
BY ACTUAL FIELD DATA